Conve	it d	to WI 8/	2 /75	
				Mary Day
•				,
		Scout Report sent out	DE MARIE	ं र्घ
,		Noted in the NID File		
		Location map pinned		14P
		Approval or Disapproval Lette	er ·	Ы
		Date Completed, P. & A. or operations suspended		00 000 PA TA CO EU T UPA CO
	•	Pin changed on location map		

Affidavit and Record of A & P

Water Shut-Off Test

Gas-Oil Ratio Test

Well Log Filed

7-13-24 Convert		
Entry d. C. 1.2 Sheet Locally, Miss Sheed Card indexed LV Rife State or Fee Land	Capy 11.0 to Skild Office	XX
Differ's Log 2-24-59	***************************************	
Electric Logs (No.) 3	Sonic Others Castia	24

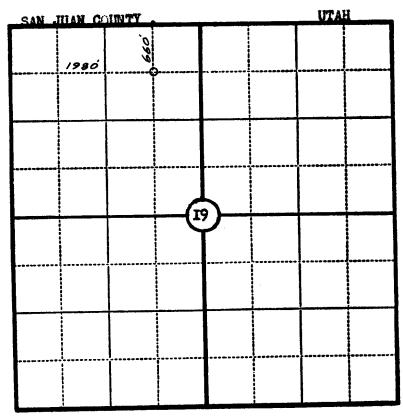
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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Allottee	Tribal
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Well No. 15 is located 660 ft. from line and 1860 ft. from line of sec. 19 E NW Sec. 19 (14 Sec. and Sec. No.) (Twp.) (Range) (Meridian) Ratherford (Field) (County or Subdivision) (State or Territory) The elevation of the count above sea level is 4714.7ft. DETAILS OF WORK State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, ceming points, and all other important proposed work)	NOTICE OF INTENTION TO CHANGE PLANS	SUNDRY	NOTICES		REPO	RTS	ON W	/ELLS	
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Scale-4 inches equal 1 mile.

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

Seal: James P. Loese Surveyor.

UTAH Registration No. 1472

Phillips Petroleum Company P. O. Box 548 Cortez, Colorado

Attention: C. M. Boles, District Superintendent

Gentlemen:

This is to acknowledge receipt of your notice of intention to drill Well No. Desert A-15, which is to be located 660 feet from the north line and 1860 feet from the west kine of Section 19, Township 41 South, Range 24 East, SLBM, San Juan County, Utah.

Please be advised that insofar as this office is concerned, approval to drill said well is hereby granted.

This approval terminates within 90 days if the above mentioned well is not spudded in within said period.

Yours very truly,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT SECRETARY

CBF:co

cc; Phil McGrath
USGS, Farmington,
New Mexico



Form 9-331 b (April 1952)						

(SUBMIT IN TRIPLICATE)

UNITED STATES

Budget Bureau No. 42-R-359.3. Approval expires 12-31-55.
ndian Agency
Tribal
No.14-20-603-353

	DEPARTMENT GEOLOGI	OF THE INTERIOR	Louis No.14-20-603-3	53
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and Micro ealiper legs to 5655'. Drilled 7-7/8" hole to 5666' at 2AM 11/11/58. Set and comented 5-1/2" OD 1A# & 15.5# easing at 5662.98' RKB with 132 ax neat regular coment, 100 ax Diagel "D", 496# calcium chloride. Pumped plug to 5632' at 11 AM 11/11/58. WOC 24 hrs, tested easing with 750# for 30 minutes - o.k.

- Dec 17 1958

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Form 9-33)

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U. S. Land Office Nava 10

Serial Number 14-20-603-353

Lease or Permit to Prospect Tibal

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

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3-10

LOG OF OIL OR GAS WELL

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11-44-57 40

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of red illing, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

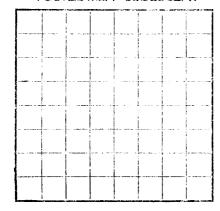
Spended El Am 10/42/58. Wrilled II" hole to 176', Weamed to 17-1/28 hele to 176'. Set and comented 13-3/8" 27.1" casing at 176' with 175 ax regular coment, 2% calcium chloride. ummed plus to 146' at 9/48 ix 10/22/58. Coment circulated. 40: 24 hours. Mestel wasing with 250% for 30 minutes. O.KO T HOUSE

Drilled 11" hole to 1446. Set and comented 6-5/6" 24 casing at 1446.60' & B with 330 sacks regular coment, 126 sacks Discel 40" 600 Galcium chloride, 165# flocele, 660g tuff plug, followed with 125 sacks near comeans on bottom. Pumped plug to 1145 at 11:45 PM 10/24/58. Coment circulated. Sloved down displacement, hole bridged.
Maximum pressure 2000#. Left 301 coment in pipe. Recemented to surface down annulus andth 35 sacks regular cement. WOC 26 bours. Tested casing with 750 for 30 minutes - tested okay. (Denote gas by G)

Drilled 7-7/8" hole to 5655 at 1:30 PM 11/10/58. Ran chlumberger Induction Electric GAR Micro Call per logs to 5655'. Ortilled 747/8" held to 5666" at law 11/11/810 regular cement, 100 sacks Diacel "D", 496# calcium chloride. Fumped plug to 5632. Rt 11 AM 11/11/38. WOC 24 hours, tested casing with 750# for 30 minutes - tested o k. Signed .

imputablingpand checked and an atomorphism to be a full to the second and the sec Corpan Camman Ray i Newtons Centrar Locators kog tos 5632 tos perforested in 5-11/20 spanish greater four 1/2" holes per foot I and ML measure from 5460-80, 5486-5514, 5589-95, 5601-12, 5816-20. Total 75 feet 300 mots. Han 2-7/8" OD UE tabing and set at 500.6.29 wishings over at \$345,621, whis sterm naid for displaced water outto 9500, met Pricker and acidized casing perforations with 7500 gallons regular 15% acid. Flushed with 10 50. Waximum pressure 3900#, minimum pressure 2500#. Average treating rate 6.1 BPM Gowinge flush rate 5.7 MM. Job completed Misso A 11/37/58. Walted on suspension of field shut-down order November 17, 1958 to December 9, 1958.

LOCATE WELL CORRECTLY

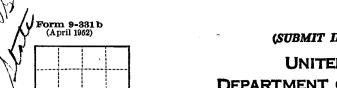


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LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY DEPARTMENT OF THE INTERIOR UNITED STATES

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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Budget Bureau No. 42-R359.4. Approval expires 12-31-60.
Have to

Indian Agency	Kavajo
Allottee	rysbal
Lease No. 14	20-603-353

Cortes, Colorado September 23 19 6 Desert "A" Vell No. 15 is located 660 ft. from [N] line and 1860 ft. from [W] line of sec. 19 NE FM Sec. 19 418 245 SIM (Range) (Meridian) Ratherford San Juan (Range) (Meridian) (Plaid) (County or Subdivision) (State or Territory) ungraded ground The elevation of the distribution above sea level is 4714-7 ft. DETAILS OF WORK State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cen ing points, and all other important proposed work) Pull rode and tubing. Perforate the Ismay Zone from 5416 to 5422 and 5425- Set retrievable bridge plug and packer and actidize the Ismay sone with 2008 gallons of regular 15% acid. Such test, re-run rods and tubing and produce Ismay and Desert Creek sones. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commence Company. Phillips Petroleum Company	NOTICE OF INTE NOTICE OF INTE NOTICE OF INTE NOTICE OF INTE NOTICE OF INTE	ENTION TO DRILLENTION TO CHANGE PLANSENTION TO TEST WATER SHUT-OFF ENTION TO REDRILL OR REPAIR WEI ENTION TO SHOOT OR ACIDIZEENTION TO PULL OR ALTER CASING.	X	SUBSEQUENT REPORT OF SUBSEQUENT REPORT OF SUBSEQUENT REPORT OF SUBSEQUENT REPORT OF	OF WATER SHUT-OFF	
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Title Matrict Superintendent

Budget :	Bureau	No.	42-R35	0.4.
Approve				

F	Form. 9-331 b (April 1952)				
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

ndian Ager	Bava.jo
Allottee	ribal
ease No	24-20-403-35

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO CHANGE PLANS	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	
NOTICE OF INTENTION TO REDRILL OR REPAIR WELL	1 70 1
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	
HOHOL OF HILLIAM TO SHOUL OF THE SHOULD SHOU	i I
NOTICE OF INTERVIOR TO THE STATE OF THE STAT	
NOTICE OF INTENTION TO ABANDON WELL.	
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)	
Desert "A" Cortes, Colorado Ostaber 24	, 1960
W	
Well No. 15 is located 660 ft. from N line and 1860 ft. from W line of sec	19
NE MW Sec. 19 413 24E SIM	
(½ Sec, and Sec. No.) (Twp.) (Range) (Meridian) Ratherford San Juan Utah	
(Field) (County or Subdivision) (State or Territory)	
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DETAILS OF WORK	
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jing points, and all other important proposed work)	e was
/60: Moved in and rigged up RAR Well Service Unit. Pulled rods and tubing any perforated Ismay zone 5416-22 and 5425-30' with 4 J-2 rocket jet shot using EL and EL measurements. Han 2-1/2" tubing with Eaker hockwall paced at 5440'. Lane Wells Anchor packer at 5315'. It is side door shoke a sed annulus with 85 barrels salt water. Western Company pumped in 2000 gallar acid. Maximum pressure 200%. Minimum 200%. Hate 2.6 HPM. Flushed water at 0%. Rate 6.8 HPM. Well on vacuum during flush. Rigged up and hour - recovered 10 barrels load water. /60: Swabbed 5 hours from bottom, recovered 11 barrels salt water, acid wased packers. Pulled tubing and packers, reran 2-1/2" tubing - 176 jts. bing sub 2.00' LT, seating shoe 1.18' LT, Baker Anchor 2.51' LT, Marsh Gallar S.84'. Tubing set at 5623.57' PKB. Baker Anchor at 10g shoe at 502'. Pubing intake 5610-5623'. (Cont'd on back)	s per ker bul t 5438' lions l w/ 34 b swabbe ater an 5590-84 s Ansho
/60: Moved in and rigged up RAR Well Service Unit. Pulled rods and tubin any perforated Ismay zone 5416-22 and 5425-30' with 4 J-2 rocket jet shot using EL and EL measurements. Ran 2-1/2" tubing with Baker hockwall paced at 5440'. Lane Wells Anchor packer at 5315'. It is side door choice a sed annulus with 85 barrels salt water. Western Company pumped in 2000 gallar acid. Maximum pressure 200%. Minimum 200%. Rate 2.6 EPM. Flushed water at 0%. Rate 6.8 EPM. Well on vacuum during flush. Rigged up and hour - recovered 10 barrals load water. /60: Swabbed 5 hours from bottom, recovered 11 barrels salt water, acid water aced packers. Pulled tubing and packers, reran 2-1/2" tubing - 176 jts. bing sub 2.00' LT, seating shoe 1.18' LT, Baker Anchor 2.51' LT, Marsh Galler. Set in cellar 8.84'. Tubing set at 5623.57' PRB. Baker Anchor at ing shoe at 5002'. Pubing intake 5610-5623'. (Comt'd on back) I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be co	s per ker bul t 5438' lions l w/ 34 b swabbe ater an 5590-84 s Ansho
/60: Moved in and rigged up R&R Well Service Unit. Pulled rods and tubing any perforated Ismay zone 5416-22 and 5425-30' with 4 J-2 rocket jet shot using EL and RL measurements. Ran 2-1/2" tubing with Baker hockwall paged at 5440'. Lane Wells Anchor packer at 5315'. It is side door shoke a sed annulus with 85 barrels salt water. Western Company pumped in 2000 gallar acid. Maximum pressure 200%. Minimum 200%. Rate 2.6 BPM. Flushed water at 0%. Rate 6.8 BPM. Well on vacuum during flush. Rigged up and hour - recovered 10 barrels load water. /60: Swabbed 5 hours from bottom, recovered 11 barrels salt water, acid wased packers. Pulled tubing and packers, reran 2-1/2" tubing - 176 jts. bing sub 2.00' LT, seating shoe 1.18' LT, Baker Anchor 2.51' LT, Marsh Gallar S.84'. Tubing set at 5623.57' PRB. Baker Anchor at ing shoe at 502'. Pubing intake 5610-5623'. (Comt'd on back) I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be co- Company Phillips Petroleum Company How 1150	s per ker bul t 5438' lions l w/ 34 b swabbe ater an 5590-84 s Ansho
/60: Hoved in and rigged up RAR Well Service Unit. Pulled rods and tubing any perforated Ismay zone 5416-22 and 5425-30' with 4 J-2 rocket jet shot using EL and RL measurements. Ram 2-1/2" tubing with Baker hockwall paced at 5440'. Lane Wells Anchor packer at 5315'. It is side door shoke a ged at 5440'. Lane Wells Anchor packer at 5315'. It is side door shoke a sed annulus with 85 barrels salt water. Western Company pumped in 2000 gallar acid. Maximum pressure 200%. Minimum 200%. Rate 2.6 EPM. Flushed water at 0%. Rate 6.8 EPM. Well on vacuum during flush. Rigged up and water at 0%. Rate 6.8 EPM. Well on vacuum during flush. Rigged up and hour - recovered 10 barrels load water. /60: Swabbed 5 hours from bottom, recovered 11 barrels salt water, acid water as packers. Pulled tubing and packers, reran 2-1/2" tubing - 176 jts. bing sub 2.00' LT, seating shoe 1.18' LT, Baker Anchor 2.51' LT, Marsh Goot Collar 8.84'. Tubing set at 5623.57' PRB. Baker Anchor at ing shoe at 502'. Pubing intake 5610-5623'. (Cont'd on back) I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be co	g. Wes s per ker bul t 5438' lions 1 w/ 34 b swabbe ater an 5590-84 s Angho 5408'.
/60: Moved in and rigged up NAR Well Service Unit. Pulled rods and tubing any perforated Ismsy zone 5416-22 and 5425-30' with 4 J-2 rocket jet shot using EL and EL measurements. Han 2-1/2" tubing with Eaker hockwall packed at 5440'. Lane Wells Anchor packer at 5315'. "tis side door choice a sed annulus with 85 barrels salt water. Western Company pumped in 2000 gallar acid. Maximum pressure 200%. Minimum 200%. Hate 2.6 EPM. Flushed water at 0%. Hate 6.8 EPM. Well on vacuum during flush. Rigged up and hour - recovered 10 barrels load water. /60: Sumbbed 5 hours from bottom, recovered 11 barrels salt water, acid water being sub 2.00' LT, seating and packers, reran 2-1/2" tubing - 176 jts. bing sub 2.00' LT, seating shoe 1.18' LT, Baker Anchor 2.51' LT, Marsh Ge 0'LT. Set in cellar 8.84'. Tubing set at 5623.57' PKB. Baker Anchor at ing shoe at 502'. Fubing intake 5610-5623'. (Cont'd on back) I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be co Company Phillips Petroleum Company How 1150	g. Wes s per ker bul t 5438' lions 1 w/ 34 b swabbe ater an 5590-84 s Angho 5408'.

Form 9-331 (May 1963)

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ICATE* Form approved.

14-20-603-353

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011	10	5.	LEASE	DESI	BNATI	ON AND	SERIAL	NO.
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	GEOLOGICAL SURVEY		3 22	
SUNDRY N (Do not use this form for I Use "AP)	6. IF INDIAN, ALLOTTEE OR TRIE	IE NAME		
1. OIL V GAS		h proposais.)	7. UNIT AGREEMENT NAME	
WELL A WELL OTH 2. NAME OF OPERATOR	ER		8. FARM OR LEASE NAME	
	oleum Company		Ratherford Unit	
3. ADDRESS OF OPERATOR	- Carrier Constraint		9. WELL NO. 19-21	
	O, Cortez, Colorado	(Formerly Phillips! Des		
4. LOCATION OF WELL (Report local See also space 17 below.) At surface	tion clearly and in accordance with a	ny State requirements.*	10. FIELD AND POOL, OR WILDOW	
660' FML, 1860'	FWL Sec. 19 No No Sec	c. 19 413-248,	11. SEC., T., B., M., OR BLK. AND SURVEY OR ABEA	
can Juan Cou nty			19-418-24E, 5LM	
14. PERMIT NO.	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12. COUNTY OR PARISH 13. ST	
	4714.7 ungrade	ed ground	an Juan 💛	tah
16. Chec	k Appropriate Box To Indicate	Nature of Notice, Report, or O	ther Data	
NOTICE OF	INTENTION TO:	SUBSEQU	ENT REPORT OF:	
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL	
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING	
SHOOT OR ACIDIZE	ABANDON*	SHOOTING OR ACIDIZING	ABANDONMENT*	,
REPAIR WELL	CHANGE PLANS	(Other)		
Sucepter lamay perforat	ions at 5416-22 and	(Note: Report results Completion or Recompletion ent details, and give pertinent dates	of multiple completion on Well tion Report and Log form.)	
Plag and Retrievemetic Breakdown - mix 50 eac 5425-30' with holding Drill cement, test can mains selled water.	c packer. Set Fridge cks cement and squeeze pressure of 1500% max sing to 1000%, drill be place drilling flui-	g work string with Paker Plug at 5445' and packer Ismay perforations at imum, 1000% minimum. Co ridge plug and circulate d with clean water. He set at 5400' and conver	r at 5375'. 5416-22' and irculate out. s out to 2878 5632' run 2-1/2" tubing	
Present Production. Te	est 2 -14-64: 3 2 80, 53	MCP, O BA, 24 hrs PM.		
	<u> </u>	THE PARTY OF BY UTAH OIL AND (
	DA	TE: 3/9/11 by 2000	1 Bankell	
18. I hereby certify that the foreg			211	
SIGNED	TITLE_	G. S. Boles, Area Supt.	DATE	N4.
(This space for Federal or Sta	ite office use)			
APPROVED BY	TITLE _		DATE	

June 23, 1964

Phillips Petroleum Company P. O. Drawer 1150 Cortez, Colorado

Attention: Mr. C. M. Boles, Area Superintendent

Re: Well No. Ratherford 19-21 Sec. 19, T. 41 S., R. 24 E., San Juan County, Utah

> Well No. Ratherford 20-43 Sec. 20, T. 41 S., R. 24 E., San Juan County, Utah

Gentlemen:

This letter is to advise you that the Subsequent Report to Convert to Water Injection Well on the above mentioned wells are due and have not been filed with this Commission. We are enclosing forms for your convenience.

Thank you for your cooperation with respect to this request.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER RECORDS CLERK

KGW:bc

Enclosures - Forms



PHILLIPS PETROLEUM COMPANY P. O. Drawer 1150 Cortez, Colorado

June 25, 1964

Utah Oil & Gas Conservation Commission 310 Newhouse Building Salt Lake City, Utah 84111

Attention: Kathy G. Warner, Records Clerk

Gentlemen:

Please refer to your letters of June 23rd and 24th in which you ask us to submit Subsequent Report to Convert to Water Injection on each of our Ratherford Unit Wells Nos. 19-21, 20-43, 9-23, and 10-23.

This is to advise that these wells have not as yet been completed, and are now in the process of workover. They should be completed as Water Injection wells within the next thirty days, and at that time we will file the Subsequent Reports on them and submit the necessary copies to your office.

Yours very truly,

PHILLIPS TETROLEUM COMPANY

C. M. Boles

Area Superintendent

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P. O. Drawer 1150 Cortez, Colorado

July 20, 1964

Utah Oil & Gas Conservation Commission 310 Newhouse Building Salt Lake City 11, Utah

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah General Rules and Regulations, we wish to advise that the following wells located on the Ratherford Unit in San Juan County, Utah, were converted to water injection wells.

Old Well No.	New Well No.	Date Converted	Injection Rate	Injection Pressure
19-21	19W21	7-13-64	102 BWPD	350#
20-43	20W43	7-14-64	158 BWPD	350#
13-44	13 W 44	7-17-64	3120 BWPD	Vacuum

Very truly yours,

PHILLIPS PETROLEUM COMPANY

C. M. Boles

Area Superintendent

bh

·/ [©]		Eag	ay NhC	A. Carlotte
Form 9-331 (May 1963)	DEPARTI	UNI STATES MENT OF THE INTER SEOLOGICAL SURVEY	SUBMIT IN TRIPLIC (Other instructions on reverse side)	Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.
,		ICES AND REPORTS	ONI WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
(Do not a		sals to drill or to deepen or plug ATION FOR PERMIT—" for such p		l iav ajo
OIL WELL	GAS OTHER	Water Injection		7. UNIT AGREEMENT NAME SN-I-4192
2. NAME OF OPER	lips Petroleum	· ('Armyna 2137		8. FARM OR LEASE NAME
3. ADDRESS OF O		r Ownpride		9. WELL NO.
Box	1150, Cortes,	Colorado 81321		19/21
See also space	WELL (Report location of 17 below.)	learly and in accordance with any	State requirements.*	10. FIELD AND POOL, OR WILDCAT
	FML, 1860' F. Juan County, 1	L. Sec. 19 Mb Nº Soc tsh	2. 19 1.13-21.	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 19-415-24E, SIM
14. PERMIT NO.		15. ELEVATIONS (Show whether D	F, RT, GR, etc.)	12. COUNTY OR PARTICIPAL STATE
		4714.7 un	raded ground	San Juan Utah
6-4-64 the Set Bridge drilled of unable to and 5616-Sol Block packer, he classific 19-21 to	NOTICE OF INTENSITY OF SHUT-OFF EAT IDIZE POSED OR COMPLETED OPE OF WORK.)* TOUGH 7-19-64: TOUGH 7-19-64:	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS PRATIONS (Clearly state all pertiner onally drilled, give subsurface local control of the perforated Desert Creeks per foot. Acidizator Injection. State Injection. State of Table 10 water to 7-13-64.	water shut-off fracture treatment shooting or acidizing (Other) Squeeze (Note: Report results Completion or Recomp at details, and give pertinent dates tions and measured and true vertice squeezed Ismay performable. Attempted to proceed with 2500 gallons can 25" tubing with the arted injecting water injection well and of	REPAIRING WELL ALTERING CASING ABANDONMENT* Soft multiple completion on Well letton Report and Log form.) Including estimated date of starting any all depths for all markers and zones perticular to 1.1. Actions 5416-22 and 5425-30 amp into formation with 130 and 15514, 5563-95, 5601-12 regular acid, 300 gallons riscopine line and hodel 7-13-64. Changed well manged well number from
Previous	rroduction: (reater sheth Field,	30 BOPD, 48 MCFGPD, (ese rt Cree k and Ismay Jones: D JMPD
Present I	njection Rate:	Greater Anoth Fiel	ld, Paradox formation	, Desert Creek some:
		In	jected 102 BM in 21, h	ours at 350%.

18. I hereby certify that the foregoing is true and correct 9-16-64 Area Superintendent TITLE DATE (This space for Federal or State office use) APPROVED BY ______CONDITIONS OF APPROVAL, IF ANY: TITLE DATE _

*See Instructions on Reverse Side

TED STATES

Form approved.
Budget Bureau No. 42-R1424.

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	proposals to drill or to deepen or plug PPLICATION FOR PERMIT—" for such p	proposais.)	7. UNIT AGREEMENT NAME
	THER Water Injection Wel	L1	SW-T-4192 8. FARM OR LEASE NAME
AME OF OPERATOR	_		8. FARM OR LEASE NAME
Phillips Petro	leum Company		Ratherford Unit
	lambar Calamada 01291		
OCATION OF WELL (Report loc	ortez, Colorado 81321 cation clearly and in accordance with any	y State requirements.*	10. FIELD AND POOL, OR WILDCAT
See also space 17 below.) At surface			Greater Anoth Field
660' FNL, 1860' (ME, NW)	FWL, Sec. 19-415-24E, Sa	in Juan County, Utah	II. SEC., Y., R., M., OR BLK. AND SURVEY OR AREA
1 MEC . NY 1			
			Sec. 19-113-21E-SIN
PERMIT NO.	15. ELEVATIONS (Show whether D	, , , , , , , , , , , , , , , , , , , ,	12. COUNTY OF TAKEN ES. STATE
	15. ELEVATIONS (Show whether D	, , , , , , , , , , , , , , , , , , , ,	12. COUNTY OF TAXOSA 45. STATE
ERMIT NO.		led ground	San Juan Utah
ERMIT NO.	4714.7 ungrad	led ground Nature of Notice, Report, or (San Juan Utah
Che	k71k.7 ungrad	led ground Nature of Notice, Report, or (San Juan Utah Other Data
Che NOTICE OF	k714.7 ungrade ck Appropriate Box To Indicate I	led ground Nature of Notice, Report, or C	San Juan Utah Other Data QUENT REPORT OF:
Che	ck Appropriate Box To Indicate I	Nature of Notice, Report, or Subsection	Other Data QUENT REPORT OF:
Che NOTICE OF TEST WATER SHUT-OFF	ck Appropriate Box To Indicate Intention to: PULL OR ALTER CASING MULTIPLE COMPLETE	Nature of Notice, Report, or Subsective Treature Treatment Shooting or acidizing (Other)	Other Data QUENT REPORT OF: REPAIRING WELL ALTERING CASING

Present Injection Rate: 34 BWPD at 350#.

8. I hereby certify that the foregoing is true and correct SIGNED	TITLE Area Superintendent	DATE 2-18-65
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

*See Instructions on Reverse Side

Form 9-331 (May 1963)

U LED STATES SUBMIT IN TRI DEPARTMENT OF THE INTERIOR (Other instruction verse side) U TED STATES

'ATE*

Form approved. U Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

14-20-603-353

DATE

GEOLOGICAL SURVEY

(Do not use this fo	6. IF INDÍAN, ALLOTTEE OR TRIBE NAME rent reservoir.	
1.	Use "APPLICATION FOR PERMIT" for such proposals.)	7. UNIT AGREEMENT NAME
OIL GAS WELL	other Water Injection Well	
2. NAME OF OPERATOR	SW-I-4192 8. FARM OR LEASE NAME	
Phillips P 3. Address of Operator	etroleum Company	9. Well No.
4. LOCATION OF WELL (Rep	O, Cortez, Colorado 81321 ort location clearly and in accordance with any State requires	nents. 10. FIELD AND POOL, OR WILDCAT
See also space 17 below At surface 660' FNL, 18 (NE, NW)	60' FWL, Sec. 19-415-24E, San Juan C	punty, Utah
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OF PARISH S. STATE
	4714.7 ungraded ground	d San Juan Utah
16.	Check Appropriate Box To Indicate Nature of No	otice, Report, or Other Data
No	FICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	MULTIPLE COMPLETE FRACTU ABANDON* SHOOT CHANGE PLANS (Other	SHUT-OFF URE TREATMENT ING OR ACIDIZING NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
s electively as 15 % regular as regular acid,	tubing and Marlex liner, rerun tubing aidise perforations 5583-95', 5601-12 aid and perforations 5460-87' and 549 test for injectivity, pull tubing with rlex liner and return well to water in	2 and 5616-20 with 4000 gallons 91-5514' with 4000 gallons 15% th bridge plug and packer, rerun
Present Inject	lon Rate: 34 BWPD at 350#.	
		.**
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18 I harahy cartify that th	e foregoing is true and correct	

TITLE

(This space for Federal or State office use)

APPROVED BY ______CONDITIONS OF APPROVAL, IF ANY:

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LEASE	DESIGN	ATION	AND	SERIAL	ŇO

IME. I OF THE INTERIOR verse side)	O. DERIGE DESIGNATION. SILVE DESIGNATION.
GEOLOGICAL SURVEY	14-20-603-353
OTICES AND REPORTS ON WELLS posals to drill or to deepen or plug back to a different r ICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME NAVAJO
Water Injection Well	7. UNIT AGREEMENT NAME ***********************************
Petroleum Company	9. WELL NO.
n clearly and in accordance with any State requirements.	10. FIELD AND POOL, OR WILDCAT Creater Anoth Field
60' FWI, Sec. 19-415-24E, San Jua (NE, NE)	11. SEC., T., R., M., OR BLK. AND
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4714.7 uncreded ground	San Juan Vitab
Appropriate Box To Indicate Nature of Notice	e, Report, or Other Data SUBSEQUENT REPORT OF:
CHANGE PLANS (Other)	TREATMENT ALTERING CASING OR ACIDIZING X ABANDONMENT*
Comp	e pertinent dates, including estimated date of starting any d and true vertical depths for all markers and zones perti-
	Potroleum Compeny In Carter Injection Wells Potroleum Compeny In Clearly and in accordance with any State requirements (NE, M.) 15. ELEVATIONS (Show whether DF, RT, GR, etc.) 4714.7 ungraded ground Appropriate Box To Indicate Nature of Notice Tention to: Pull OR ALTER CASING MULTIPLE COMPLETE MATER SHI FRACTURE

maximum pressure. Unseated packer, reset at 5438' above all perforations, acidized perforations 5460-87' and 5491-5514' with 2000 gallons regular, 250 gallons block, and 2000 gallons regular acid. Perforated 5%" casing with 4 jet shots per foot 5582-94' and 5601-08. Set packer at 5567, acidized perforations 5582-94, and 5601-08, with 4000 gallons regular acid. Pulled tubing and packer, reran tubing with tension packer, hooked back up for water injection, resumed injection 3-4-65.

Injection rate before work: Injected 34 BVPD at 350%. Present Injection rate: Injected 61 HNPD at 450#.

18.	I hereby certify that the foregoing is true and correct		
	SIGNED C. M. FOLES	TITLE Area Superintendent	DATE 3-25-65
=	(This space for Federal or State office use)		
	APPROVED BYCONDITIONS OF APPROVAL, IF ANY:	TITLE	DATE

*See Instructions on Reverse Side

PHILLIPS PETROLEUM COMPANY

BARTLESVILLE, OKLAHOMA 74004

EXPLORATION AND PRODUCTION DEPARTMENT

May 12, 1965

11

Ratherford Unit San Juan County, Utah Revision of Pressure Maintenance Plans

Utah Oil and Gas Conservation Commission (2) 310 Nombouse Building Salt Lake City, Utah

Gentlemen:

The Gil and Gas Conservation Commission of the State of Utah, by its order entered in Gause 63 dated September 13, 1961, approved Phillips Petreleum Company's application for approval of a pressure maintenance program for the Ratherford Unit. Subsequent approvals have been given for modifications in the injection program as originally submitted. At this time approval is requested for the fellowing additional modifications:

- 1. Genvert Well 19-M21 to a Producing Status. Well 19-W21 has been unsatisfactory as an injection well in that it will not accept a sufficient volume of water to effectively move oil to producing wells located in Section 19 and, consequently, is incapable of deterring the possible movement of waterflood oil from Section 18 to producing wells in Section 19. In an effort to correct this situation, a total of 8,000 gallons of acid was used in selective treatments of injection perferations in Well 19-M21 during the period March 1 through March 11. Within one week after acidizing, the injection rate had declined to 61 BPB, an increase of only 24 BPB ever the prior rate. Working Interest Owners owning 91.28 per cent of the Ratherford Unit woting interest have agreed in this recommendation. No negative votes have been received.
- 2. Genvert Wall 17-MA to a Freducing Status. Well 17-MA was completed in November, 1959 as a unter injection well in the initial Ratherford Unit pilot unterflood program. It was shut down in September, 1962 after injecting an accumulated volume of unter totaling 1,661,287 barrels. The well has remained on shut down status since that time. It is the desire of the Ratherford Unit Working Interest Owners to make an attempt to complete in the interval 5510-34' in the Besert Greek formation and 5483-92' in the Ismay formation. Working Interest Owners owning 72.50 per cent of the voting interest in the Ratherford Unit have approved this proposal. He negative votes have been received.

Utah Cil and Gas Conservation Commission
In re: Ratherford Unit, San Juan County, Utah Revision of Processre Maintenance Flans
May 12, 1965
Page 2

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These medifications will result in improved flood patterns and should account for increased eil recovery from the unit. Your early approval will be appreciated.

Very truly yours,

PHILLIPS PETROLEUM COMPANY

M. J. Kaufman, Chairman Morking Interest Owners Committee

Ratherford Unit

JEC: Law



May 20, 1965

Phillips Petroleum Company Bartlesville, Oklahoms

Attention: Mr. M. J. Kaufman, Chairman

Dear Siri

The following changes in your pressure maintenance program for the Ratherford Unit are hereby approved as per your request.

- 1. Convert Well 19W21 to a Producing Status.
- 2. Convert Well 17W44 to a Producing Status.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. VEIGHT EXECUTIVE DIRECTOR

CBF:kgw

18

G	J. FED STATES IENT OF THE INTER EOLOGICAL SURVEY	RIOR (Other instructions on verse side)	re- re- 5. LEASE DESIGNATION	au No. 42-R1424. AND SERIAL NO.
(Do not use this form for proposa	CES AND REPORTS uls to drill or to deepen or plug TION FOR PERMIT—" for such	back to a different reservoir.	6. IF INDIAN, ALLOTTE	E OR TRIBE NAME
OIL GAS OTHER OIL OTHER 2. NAME OF OPERATOR	ator Injection	12.1.2.	7. UNIT AGREEMENT NA	
Parillips of Operator	drolar Co.	John Warth	9. WELL NO.	im it
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface	correct Colorado early and in accordance with an		10. FIELD AND POOL, O	r wildcat
660 ma ., 1 860 s Itali	VI., 1900. 19-4419-24	k, Cen Juan County,	11. SEC., T., R., M., OR I SURVEY OR AREA	BLK. AND
14. PERMIT NO.	15. BLEVATIONS (Show whether 4.724 7 MINISTER		12. COUNTY O	13. STATE
16. Check Approximate of intent	•	Nature of Notice, Report, o	or Other Data SEQUENT REPORT OF:	
FRACTURE TREAT SHOOT OR ACIDIZE A		Completion or Reco	ALTERING C ABANDONME ults of multiple completion ompletion Report and Log fo	on Well
proposed work. If well is direction nent to this work.)* [all 2-7/6" tubble and return well to product and received and r	Carles lines, rere 13 status.	m 2 -7/8° tubing, ro		
18. I hereby certify that the foregoing is SIGNED	true and correct	Tistrict Tuperin on	leric date 6-	-23-65

DATE _

TITLE _

APPROVED BY _______ CONDITIONS OF APPROVAL, IF ANY:

	DEPARTM G SUNDRY NOTI	ITED STATES MENT OF THE INTERIOR OF THE INTERI	ON WELLS	Form approve Budget Burea 5. LEASE DESIGNATION 1/-20-603-3 6. IF INDIAN, ALLOTTEE	u No. 42-R1424 AND SERIAL NO.
1.				7. UNIT AGREEMENT NA	ME
	WELL GAS OTHER	ator Inje ction Del		377- 1-41 92	
2.	NAME OF OPERATOR			8. FARM OR LEASE NAM	E
	Millio Pe	troloum Co.		watherford U	rit.
3.	ADDRESS OF OPERATOR		700.00	9. WELL NO.	
	Bresor 1050.	Cortes, colorado al	321	19,:21	
4.	LOCATION OF WELL (Report location of See also space 17 below.) At surface		State requirements.*	10. FIELD AND POOL, OF CAPACITY AND LOCAL STREET AND LOCAL SURVEY OR AREA	h - Parado
14.	PERMIT NO.	15. ELEVATIONS (Show whether DF,		12. COUNTY	13. STATE
		4714.7 ungraded	ground	San Juan	1 Ocur
16.	Check Ap	propriate Box To Indicate N	ature of Notice, Report, or C	ther Data	
	NOTICE OF INTEN	TION TO:	SUBSEQU	ENT REPORT OF:	
	FRACTURE TREAT	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON*	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REPAIRING VALUE ALTERING CA	ASING

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) Metarn to producing status 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

(Other) _

Full 2-7/3" tubing and Harlex liner, rorun 2-7/8" tubing, rods, pump and return well to projecting status.

Present Injection Sate: 61 3830 at 450%.

CHANGE PLANS

18. I hereby certify that the foregoing is true and correct SIGNED	TITLE ZEBRICT G	uperin e nlent	6-23-65
(This space for Federal or State office use)	TITLE		DATE
APPROVED BY	TITLE		DATE



P. O. Drawer 1150 Cortez, Colorado 81321

July 20, 1965

Utah Oil & Gas Conservation Commission 348 East South Temple Suite 301 Salt "ake City, Utah 84111

Attention: Mr. Cleon B. Feight

Dear Sirs:

In accordance with Rule E-4 of the Utah Ceneral Bules and Regulations, we wish to advise that Ratherford Unit Well No. 19W21 located in Section 19-41S-24E, San Juan County, Utah has been returned to producing status effective July 3, 1965. The well classification has been changed from water injection to oil well, and the well number has been changed from 19W21 to 19-21.

Details of the above will be furnished on USGS Form No. 9-331b in the near future.

Very bruly yours,

PHILLIPS PETPOLEUM COMPANY

f pe wow

C. M. Boles

District Superintendent

bh

	Form 9-33 (May 196	1
·	1	

3. ADDRESS OF OPERATOR

14. PERMIT NO.

Drawer 1150, Cortez, Calorado

660' FNIL 1860' FNIL Sec. 19

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

LEASE	DESIGN	ATION	AND	SERIAL	NO
1	4-20	-605	-3	3	

Form 9-331 (May 1963)	DEPARTMENT OF THE INTERIOR (Other instances as on re- GEOLOGICAL SURVEY	Form approved. Budget Bureau No. 42-R1424 5. LEASE DESIGNATION AND SERIAL NO.
(Do not	SUNDRY NOTICES AND REPORTS ON WELLS use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL WELL	GAS WELL OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OF	EBATOR Allips Petroleum Company	8. FARM OR LEASE NAME Ratherford Unit

8. FARM	OR LEASE NAME
	Ratherford Und
9. WELL	NO.
3	19-21
10. FIEL	D AND POOL, OR WILDCAT
	, _ ,
aret	stor anoth
	ALECT ALECTA
11. SEC.	ALECT ALECTA

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF PULL OR ALTER CASING REPAIRING WELL WATER SHUT-OFF ALTERING CASING FRACTURE TREAT MULTIPLE COMPLETE FRACTURE TREATMENT SHOOT OR ACIDIZE ABANDON* SHOOTING OR ACIDIZING ABANDONMENT REPAIR WELL CHANGE PLANS (NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other)

4714.7 ungraded ground

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to the work.

65 therough 7-19-65s Moved in well service unit, pulled tubing and packer, reran tubing with pumping installation, hooked up load line, started well pumping. Changed well classification from water injection to oil well and number from 19:21 to 19-21 effective 7-3-65. Completed as oil well producing from Desert Creek Zone of Paradox Permation.

Injection rate before conversion tool! Well: 68 BMPD at A30%. Present Production: 2 BOPD, 6 MCFOPD, 63 MARD

18. I hereby certify that the foregoing is true and correct SIGNED	TITLE Dist. Supt.	DATE
(This space for Federal or State office use)		
APPROVED BYCONDITIONS OF APPROVAL. IF ANY:	TITLE	DATE

Form 9-3/1 (May 1963)		TED STATES N.L. (OF THE INTERIOR SURVEY	SUBMIT IN 7 (Other instruction of verse side)	
(Do not use this i	DRY NO	FICES AND REPORTS Cosals to drill or to deepen or plug be ATION FOR PERMIT—" for such presents of the present o	ON WELLS ack to a different reservoir. oposals.)	6. IP INDIAN, ALLOTTES OR TRIBE
OIL GAS WELL [2. NAME OF OPERATOR	OTHER			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR		wor 1150, Cortes, Col		8. FARM OR LEASE NAME Retherford Butt 9. WELL NO.
2. LOCATION OF WELL (Re See also space 17 below At surface	eport location on w.)	clearly and in accordance with any S	itate requirements.*	10. FIELD AND POOL, OR WILDCAT Greater Ameth 11. SEC., T., E., M., OR ELK. AND SURVEY OR AREA
Rection 19		15. ELEVATIONS (Show whether DF, F	RT, GR, etc.)	12. COUNTY (DOMEST 13. STATE
6.	Check Ap	ppropriate Box To Indicate Na		
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL (Other)	X A	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other)	REPAIRING WELL ALTERING CASING ABANDONMENT®
7. DESCRIBE PROPOSED OR C proposed work. If w nent to this work.) *	OMPLETED OPER	RATIONS (Clearly state all pertinent of nally drilled, give subsurface location	Completion or Recomp	s of multiple completion on Well eletion Report and Log form.) , including estimated date of starting all depths for all markers and zones
Pall rods and t	ubins. r	RATIONS (Clearly state all pertinent of nally drilled, give subsurface location with the packer, acidics with the packer wi	details, and give pertinent dates as and measured and true vertic	netion Report and Log form.) , including estimated date of starting all depths for all markers and zones
Pall rods and t	subing, r A packer	WA Macker, seidies wi	details, and give pertinent dates as and measured and true vertice that it is a second true to the lates are lates a	netion Report and Log form.) , including estimated date of starting all depths for all markers and zones
Pull rods and t	subing, r A packer	un packer, acidise wi , run tubing and rods	details, and give pertinent dates as and measured and true vertice that it is a second true to the lates are lates a	netion Report and Log form.) , including estimated date of starting all depths for all markers and zones
Pull rods and t	subing, r A packer	un packer, acidise wi , run tubing and rods	details, and give pertinent dates as and measured and true vertice that it is a second true to the lates are lates a	netion Report and Log form.) , including estimated date of starting all depths for all markers and zones
Pall rods and t	ubing, r il packer	un packer, acidize wit, run tubing and reds BOPD, 3 BKPD, 3 MCFG	details, and give pertinent dates as and measured and true vertice that it is a second true to the lates are lates a	netion Report and Log form.) , including estimated date of startir all depths for all markers and zones

TITLE _

APPROVED BY CONDITIONS OF APPROVAL, IF ANY:

July 31, 1967

Phillips Petroleum Company P. O. Brawer 1150, Cortes, Colorado 81321

> Re: Wells No. Rathorford Unit #17-64, Sec. 17, T. 41 S., R. 24 R. and Ratherford Unit # 19-21 Sec. 19, T. 41 S., R. 24 R., San Juan County, Utah.

Gentlemen:

This letter is to advise you that the Subsequent Reports of Shooting and Acidizing for the above named wells are due and have not been filled with this office.

Please submit to this office the above named reports.

Thank you for your cooperation in this matter

Very Truly yours,

DIVISION+OF OIL & GAS COMSERVATION

SHARON CAMERON RECORDS CLERK

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Form 9-331 (May 1963)	ITED STATES DEPARTMENT OF THE INT GEOLOGICAL SURVE	ERIOR (Other instruction of the state)	Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.
			S. IF INDIAN, ALLOTTER OF TRIBE NAME
(Do not use this f	ORY NOTICES AND REPORT OF PROPERTY OF AND REPORT OF PERMIT—" for a second of the control of the	plug back to a different reservoir.	
1. OIL GAS F	7		7. Unit agreement hamb
2. NAME OF OPERATOR	OTHER		8. PARK OR LEASIE WANTE
•	hilling Petroleum Company		S Ballbordon State
3. ADDRESS OF OPERATOR			9. WELT NO.
4. LOCATION OF WELL (Re See also space 17 below At surface		n any State requirements.*	10. PIELD AND POOL, OF WILDCAT
660' from North	Line; 1860 from Watht L	in●	117 cac, T., B., M. OR BLB. AND
14. PERMIT NO.	15. ELEVATIONS (Show whether	her DF, RT, GR, etc.)	22. COUNTY 13. STATE
	4734-7 Ungrad	ed ground	June June Utah
16.	Check Appropriate Box To Indica	ate Nature of Notice, Report	, or Other Data
N	OTICE OF INTENTION TO:	8	UBSEQUERT SET OF : TO TO THE SECOND
TEST WATER SHUT-OF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE ABANDON*	FRACTURE TREATMENT SHOOTING OR ACIDIZIN	
SHOOT OR ACIDIZE REPAIR WELL	CHANGE PLANS	(Other)	<u>. 고 - 5 등 등 위 </u>
(Other)		(Note: Report Completion or R	results of multiple completion on Well ecompletion Report and Log form.) dates, including estimated face of starting any vertical depths for all markers and zones perti-
orig & 2 U	Rication dated 9-26-66 to Llons 28% acid and swab to CACCC - Salt Lake City, Ut rn Region office - Denver	st. Pull packer, ru	Ent. Commence of the control of the
SIGNED C. N. BO	the foregoing is true and correct TITLE ral or State office use) PROVAL, IF ANY:	NTEGLIES 'ME'OL HISON	Thinted to a major in a question of the control of
"我们"。			

VITED STATES SUBMIT IN TO COTHER INTERIOR (Other instruction)

LICATE* s on re-

Form approved. Budget Bureau No. 42-R1424. 5. LEASE DESIGNATION AND SERIAL NO.

GEOLOGICAL SURVEY

CLINIDDY	NOTICES	AND	REPORTS	ON	WELLS
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Do not use this form	for proposals to drill	or to deepen or plug	back to a different reservoir.

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(Do not use this form for pro Use "APPL	posals to drill or to deepen or plug ICATION FOR PERMIT—" for such	back to a different reservoir. proposals.)	TONIT AGREEMENT NAME
OIL GAS WELL OTHER		and the second s	8. TARK OR LINE DAINS
ADDRESS OF OPERATOR	Petroleum Company		**************************************
L LOCATION OF WELL (REPORT location See also space 17 below.) At surface	h clearly and in accordance with an	y State requirements.	10. FIELD AND POOL, OR WILDCAT
660' from North Line;	1860' from Weat Line		11. SEC. T., E., M., FOR BLE. AND
14. PERMIT NO.	15. ELEVATIONS (Show whether		12. COUNTY 18. STATE
16. Check	Appropriate Box To Indicate	Nature of Notice, Report, or	Other Pata S.
TEST WATER SHUT-OFF	PULL OR ALTER CASING MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	REFAIRING WELL ALTERISG CASING ABANDON MENT*
SHOOT OR ACIDIZE	ABANDON*	(Other)	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

To cancell application dated 9-26-66 to pull rods and tubing, run packer, activise with 15,000 gallens 28% acid and swab test. Pull packer, run tubing and rods and geturn to production. Total Estigation of the Common of the Common

CHANGE PLANS

REPAIR WELL

Orig & 2 USGS - Farming 2 cc - Utah O&GCC - Salt 1 cc - Western Region of 1 cc - File	Lake City, Utah	and the collection of the cast
8. I hereby certify that the foregoing is true SIGNED C.M.Boles	Kolle-	perintendent 2 DATE & EL-67
(This space for Federal or State office use	e)	
APPROVED BY	TITLE	BOATE COLOR
AMAZIA MANAZIA	*See Instructions on Reverse	Discount of the control of the contr
25 g.y		

DE	UNITこの STATES EPARTMENT OF THE INT	SUBMIT IN TRIPLICA (Other instructions on	re- Dudger Kuresu No. 49 D140
	GEOLOGICAL SURVEY	CINIOR verse side)	5. LEASE DESIGNATION AND SERIAL NO.
SUNDRY	NOTICES AND PERCET	2011/4/5110	6. IF INDIAN, ALLOTTEE OR TRIBE NAM
(Do not use this form Use	for proposals to drill or to deepen or p "APPLICATION FOR PERMIT—" for su	dug back to a different reservoir.	ADDOTTED OR TRIBE NAM.
OIL GAS			7. UNIT AGREEMENT NAME
NAME OF OPERATOR	OTHER Water Injection	Well	SW- Z-A1 C2
Phillips Potr	olean Comment		8. FARM OR LEASE NAME
ADDRESS OF OPERATOR			Retherford Unit
P. O. Box 292	D, Casper, Wreming 8260	51	9. WELL NO.
See also space 17 below.) At surface	ocation clearly and in accordance with	any State requirements.*	10. FIELD AND POOL, OR WILDCAT
			Green Acces
	L and 1860' FVL (MR MV)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
PERMIT NO.	15. ELEVATIONS (Show whether	T DE DE CO	Sec. 19-416-24x
	4730 PER	Dr, RT, GR, etc.)	12. COUNTY OR PARISH 13. STATE
Ch			San Juan 18th
Norten (eck Appropriate Box To Indicate	: Nature of Notice, Report, or	Other Data
F	7 INTENTION TO:	1	QUENT REPORT OF:
TEST WATER SHUT-OFF FRACTURE TREAT	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
SHOOT OR ACIDIZE	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
REPAIR WELL	ABANDON* CHANGE PLANS	SHOOTING OR ACIDIZING	ABANDONMENT*
(Other)		(Other) Compart to	s of multiple completion on Well
ESCRIBE PROPOSED OR COMPLE proposed work. If well is	TED OPERATIONS (Clearly state all pertin	ent details, and give portions 3	s of multiple completion on Well pletion Report and Log form.) s, including estimated date of starting any call depths for all markers and recrease and servers.
nent to this work.) *	directionally drined, give subsurface loc	cations and measured and true vertic	piction Report and Log form.) i, including estimated date of starting any cal depths for all markers and zones perti-
			2.53
	ASSESSMENT OF THE PROPERTY OF		
	THE CONTRACT PRINT		

18. I hereby certify that the foregoing is true and correct SIGNED Thus a company (This space for Federal or State office use)	TITLE Area Superintendent	DATE8/26/75
APPROVED BY	TITLE	DATE

Superior Oil Co., Certes CO

*See Instructions on Reverse Side

FIN REPORT INDIVIDUAL WELL STATE

	* 11	· RETOR	TINDIVIDGAL	"ELL DINIC	od.	
	atherford Un	nit	Well No.	19W21	Authorization No	p-9555
Summary of Wo						
November 12	2, 1974 thro	ough Novemb	per 25, 1974			
	for water in				ran Baker Model well to water in	
		AVERA	GE DAILY PROD	UCTION		
		eld and Forma	***************************************	Oil	Gas	Water
Before Work		neth - Para	adox II and III	10	20	0
After Work			. 11	Injected	367 BWPD at 2	2575#
Before Work						
After Work						
DATE	P.T.D.					
	RT OF WORK F	PEDEUDMED				
DAILI REPO			T Mills see as to see . See as to see as appropriate to the response to the			
RAN TBG W TO CONVER ELEV. 471 E. SAN JU DESERT CR 10/19/74, RATHER RAN WL TO BIT AND C RATHER GIH W/4 3 5620. CIR	RELEASED /RBP AND T FROM OII 8.5 GL. L. AN COUNTY EEK ZONE DATE LAS: FORD UNIT 5595 FT. SG. SCRAP FORD UNIT /4 IN. BI C. HOLE CO	R AND R PKR., COUL WELL TO OCATION/ UTAH. 6 NO. 1, NO T TEST 9/ WOULDN/ ER. MI AN NO. 19-2 T AND CS6 LEAN AND T NO. 19-	WS 10/21/7. JLDN/T GET 10 WTR INJ W1 660 FT. FNI GREAT ANETH 1. 2 AND NO. 18/72, 10 J 21 PTD 5632 T GO ANY D1 ND HOOKED UI 21 PTD 5632 5. SCRAPER, START OUT (1) -21 PTD 5633	4. MI AND F BP TO GO BE ELL. ACIDIZ L. 1860 FT. FIELD. PAF . 3. DATE I BOPD. O RWF . FIN. COUF EEPER. WIH P CIPC. EQU . PREP TO C DRL/D AND OF HOLE W/T	ED DN TBG. FOR RU R AND R WS RELOW 5575 FT. A RELOW 5575 FT. A RELOW 5575 FT. A RELOW FORMATION AST PRODUCTION PD, 20 MCFD. H W/TBG., RBP A W/TBG. 4 3/4 IN TREAMED FROM 55 TBG. SDON. ACIDIZE. FIN. AND PKR. SDON.	AFE P-9555 II. -41S-24 J. AND PKR. IN. EE. FIN. 560 TO
Bvlle E&P Denver E&P R. N. Hughe G. R. Hudso File		8/26/	75		20m on	

Date Prepared

Form 903 8-69

1 - File

LEASE Ratherford Unit

WELL NO.

19W21

SHEET NO.

2

TOTAL

DATE DEPTH
NATURE OF WORK PERFORMED

RATHERFORD UNIT NO. 19-21 PTD 5632. COOH W/RBP. 11/16/74 PU DOWELL, TEST TBG. TO 4000 PSI, SET RET. BP AT 5618 FT., CUH AND SET PKP AT 5565 FT. W/TAILPIPE AT 5605 FT., UNABLE TO LOAD ANNULUS, LEFT ANNULUS VALVE OPEN, TOOK INJECTION TEST, PMPD 9 BSW 1 1/4 BPM AT 2500 PSI. BTM. PERFS. COMM. W/ANNULUS. TP DROPPED TO O LB. SD. STARTED UP HOLE WYPKR. HIT TITE SPOT WYPKR. AT 5535 FT., WOPKED PKR THRU TITE SPOT 5535-5529, ACTS LIKE CASING PARTIALLY COLLAPSED. SET PKR AT 5446 FT., W./TAILPIPE AT 5486 FT., FILLED AND PRESS ANNULUS TO 800 PSI, ACIDIZED IN 4 STAGES W/2300 GALS. 15 PERCENT HCL ACID CONTAINING 10 PERCENT U66, AND 2 GALS/1000 GALS. ACID W-35. PLUGS CONTAINED 3 PPG ROCK SALT AND 2 LB./BBL. J-111. PMPD 15 BBLS. ACID, 3 BPM, 0 PSI. PMPD 24 BSW, 3 1/2 BPM, GRAD. PRESS. INC. TO 1000 PSI. PMPD/ 7 1/2 BBL. PLUG. 4 BPM, PRESS. INC. TO 1600 LB. PSI WHEN PLUG HIT PEPFS. PMPD 2 STAGES OF 15 BBLS. ACID AND 36 BBLS. SALT WTR AND 10 BBL PLUGS, PRESS. BROKE BACK TO 1100 PSI W/ACID ON FORM. FROM EACH STAGE, PRESS. INC. FROM 600 TO 800 PSI FROM EACH PLUG. FINAL STAGE PMPD. 15 BA, FLUSHED W/60 BSW, FINAL RATE 3.5 BPM AT 2300 PSI. MAX. PRESS. 2400 LB. JOB COMPL. 12/20 P.M. 11/15/74. ISIP 1600 LB. 0 LB. IN 22 MIN. RU AND SWBD. 6 HRS, FL FULL TO 4200 FT., REC. 60 BW. SION. 11/17/74 SWBD 3 HRS REC. 40 BSM, FL 4200 FT. TO 5300 FT. COOH W/TBG AND PKR, LD PKB. WIH W/RETRIEVING HEAD, PU BP, STAPTED OOH, PULLED 32 STDS, SION. 11/18/74 SD OVER SUNDAY ..

PATHEFFORD UNIT NO. 19-21 PTD 5632. PRED TO HOOKUP FOR INJ. FIN. COOH W/TBG. WIH W/BAKER AD TENSION PKP. AND TRG. SET PKR AT 5432 FT..

RATHERFORD UNIT NO. 19W21 /FORMFRLY 19-21/ PTD 5632. HOOKED UP WELL HEAD, STARTED INJ. WTR. 11/19/74, NO GAUGE. CONVERTED FROM OIL WELL TO WTR. INJ. WELL AND NUMBER CHANGED FROM 19-21 TO 19W21 EFFECTIVE 11/19/74.

PRESS... PATHERFORD UNIT NO. 19W21 PTD 5632. INJ/D 1126 BWPD. AT 160 LB.

PATHEFFORD UNIT NO. 19W21 PTD 5632. INJ/D 710 BWPD AT 1700 LB.

PATHEPFORD UNIT NO. 19W21 PTD 5632. 11/23/74 INJ. FATF, 1102 BWPD AT 2600 LB. PRESS. 11/24/74 391 BWPD AT 2550 LB. PRES. 11/25/74 367 BWPD AT 2575 LB. PRESS. FINAL PEPORT..

16-18

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22

5. LEASE 14-20-603-353

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME SW-I-4192
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
1. oil gas other Water injection well	Ratherford Unit 9. WELL NO.
well well other Water injection well 2. NAME OF OPERATOR	19W21
Phillips Petroleum Company	10. FIELD OR WILDCAT NAME Greater Aneth
3. ADDRESS OF OPERATOR Post Office Box 2920, Casper, Wyoming 82602	11. SEC., T., R., M., OR BLK. AND SURVEY OR
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA Sec. 19-41S-24E
below.) AT SURFACE: 660' FNL & 1860' FWL, NE NW	12. COUNTY OR PARISH 13. STATE
AT TOP PROD. INTERVAL:	San Juan Utah
AT TOTAL DEPTH:	14. API NO.
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-037-15741
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB, AND WD) RKB-4728'
REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF: TEST WATER SHUT-OFF TEST WATER SHUT-OFF	
FRACTURE TREAT	47.40
SHOOT OR ACIDIZE X	(NOTE: Report results of multiple completion or zone
REPAIR WELL PULL OR ALTER CASING	change on Form 9-330.)
MULTIPLE COMPLETE	
CHANGE ZONES	
(other) Squeeze Zone II	
DATE: 12/17/90	nt to this work.)* Id acidize Zone I perfs. (5460-5514'
ν	OIL,
Subsurface Safety Valve: Manu. and Type	Set @ Ft.
18. I hereby certify that the foregoing is true and correct	
TITLE Oper. Supt.	DATE
U. J. Fisher	
(This space for Federal or State of	
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE
3 - USGS. Farmington, NM	
2 - Utah O & G CC, Salt Lake City, UF	
1 - Superior Oil, The Woodlands, TX	The second secon
1 - File *See Instructions on Reverse	Side

UNITED STATES DEPARTMENT OF THE INTERIOR

UNITED STATES	5. LEASE 3 3 3 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
DEPARTMENT OF THE INTERIOR	14-20-603-853
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME
not use this form for proposals to drill or to deepen or plug back to a different	84-1-4192 \$5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
rvoir. Use Form 9–331–C for such proposals.)	8. FARM OR LEASE NAME
oil gas	Ratherford Bait
well well other Injector	9. WELL NO.
NAME OF OPERATOR	19M21
Phillips Petroleum Company	10. FIELD OR WILDCAT NAME
ADDRESS OF OPERATOR	Orester Anoth
P. O. Box 2920, Casper, Wyoming 82602	11. SEC., T., R., M., OR BLK. AND SURVEY OR
LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17	AREA STATE OF THE
below.)	300° 73-1473-434
AT SURFACE: 660 FILE 1860 FAL, HE IN AT TOP PROD. INTERVAL:	12. COUNTY OR PARISH 13. STATE
AT TOTAL DEPTH:	San Juan
, and the second	_ 14. API NO. - 현황관립 - 이 크림없다
CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE,	43-037-15741
REPORT, OR OTHER DATA	15. ELEVATIONS (SHOW DF, KDB) AND WD)
UEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:	47281 100
T WATER SHUT-OFF	
CTURE TREAT	
OOT OR ACIDIZE	
AIR WELL	(NOTE: Report results of multiple completion or zone
L OR ALTER CASING	change on Form 9–330.)
TIPLE COMPLETE	그는 그는 그는 그를 가득하는 것 같아요?
NGE ZONES	기가 가장 하는 것이 얼마나 되었다.
er) Samesee Zane II	그 그 그 그 그 선물님이 그리고 결과 사람이 있다.
DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly statincluding estimated date of starting any proposed work. If well is d	te all pertinent details, and give pertinent dates,
measured and true vertical depths for all markers and zones pertiner	nt to this work.)*
·	
December 24. 1980 through January 29. 1981 -	
SEE ATTACHED FOR COMPLETE DETAILS	
Injection Before - 84 BMPD at 2500 pei	
Injection After - 159 BMPD at 2550 psi	
surface Safety Valve: Manu. and Type	Set @
I hereby certify that the foregoing is true and correct	မွာ _ရ က်ီးမှူး သို့က ချို့ချခဲ့
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NED TITLE Oper Supt.	DATE DATE 1961
(This space for Federal or State off	fice use)
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DITIONS OF AFFROYAL, IT ANT.	
OS. Paradorizon. IN	그 그 그 그 그 그 그 그 그 그 그 그 그 가는 그 그 그 그 그 그

3 - USGS, Farmington, Na 2/- Usah UEG CC, Salt Lake City, UT 1 - Superior Cil Co., The Woodlands, TX 1 - Pile "See Instru

*See Instructions on Reverse Side

1-B'Ville 1-Isaacs
1-Denver 1-File FIN REPORT INDIVIDUAL WELL STATE

Lease	RATHERFOR	D UNIT		Wel	ll No	_19W21	.*	Authoriza	tion No.	P-U269	
Summary of Work	Performed:	December	24.	1980	through	January	29.	1981 -			

Sqzd perfs 5460-5620' w/100 sx Class B Cmt. Had flow back. Re-sqzd w/35 sx Class B, held w/3600 psi. DO to NEV PBTD 5536'. Perfd Zone I 5460-72', 5476-80', 5484-88', 5490-5502', 5505-07' & 5509-12'. Acidized w/8000 gal 28% HCL and Returned to Injection 1/8/81.

AVERAGE DAILY PRODUCTION

	Field	and Formation	Oil	Gas	Water
		Desert Creek	Shut-in 11	L/6/80 . T est pri	or to SI -
Before Work	Greater Anet	h - Zone I & II	Injecting	84 BWPD at 2500	psi
		Desert Creek			
After Work		Zone I	Injecting	159 BWPD at 255	0 psi
Before Work					THE STATE OF THE S
After Work				-	
DATE	P.T.D.				

DATE P.T.D

1980 DAILY REPORT OF WORK PERFORMED

RATHERFORD UNIT NO. 19W21 OLD PBTD 5632, NEW PBTD 5627. INITIAL REPORT. 12/25/80 - MI AND RU R AND R WS UNIT 12/24/80. RFLEASED PKR. TAG FILL AT 5425 FT. COOH W/2-3/8 IN PLASTIC LINED TBG AND PKR. START IN W/4-3/4 IN BIT AND 5-1/2 IN CSG SCRAPER ON 2-7/8 IN TBG. SDON. PREP TO CO FILL 5425 FT TO 5632 FT. 12/26/80 - SD CHRISTMAS DAY. 12/27/80 -FIN GIH W/BIT AND SCRAPER, TAG TOP OF FILL 5425 FT. CO 5425 TO 5473 FT, 48 FT. PIECES OF CSG AND SCALE IN RETURNS. SDON. PREP TO FIN CO TO 5632 FT. 12/28/80 - CONT TO CO. RE-WORK BIT AND SCRAPER THRU 5453-5473 FT. FIN CO 5473-5627 FT, 154 FT. TBG TALLY INDICATES TOP OF SHOE AT 5627 FT. TIGHT SPOT 5532-36 FT. PIECES OF CSG AND SCALE IN RETURNS. SDON. PREP TO SQZ CMT PERFS 5460-5620 FT. 12/29/80 - SD SUNDAY. AFE P-U269 ISSUED TO CONVERT FROM ZONE I AND II INJECTION TO ZONE I INJECTION. SQUEEZE ZONE II PERFS, ACIDIZE ZONE I W/8000 GAL 28 PERCENT HCL AND RETURN TO INJECTION. LOCATION - 660 FT FNL AND 1860 FT FWL, NE NW, SEC. 19-T415-R24E, GREATER ANETH FIELD, SAN JUAN CO., UTAH. SUB AREA CODE 26. ELEV 4730 FT RKB. API NO. 43-037-15741. DATE LAST INJECTED - SI 11/6/80 TO TEST. TEST PRIOR TO SHUT-IN - 84 BWPD AT 9500 DCI

RATHERFORD UNIT NO. 19W21 PBTD 5627. COOH W/BIT AND SCRAPER. WIH, SET PKR 5412 FT. RU HOWCO. TSTD SUAF AND TBG 3500 PSI, OK. PRESS ANNULUS 1000 PSI. PMPD 20 BFW, 2 BPM AT 2000 PSI. HOWCO MIXED AND PMPD 100SX CLASS B CMT W/10 PERCENT SALT, 1-1/4 PERCENT CFR-2, 2 BPM AT 2000 PSI. PKR FAILED, RE-SET PKR 5349 FT. DISPLD W/31 BFW, 2 BPM AT 2500 PSI. FINAL PRESS 3500 PSI, AFTER SECOND SHUT DOWN HAD FLOW BACK. RELEASED PKR, REVERSED OUT 28° SX CMT. RESET PKR 5162 FT. CLEAR PERFS W/40 BFW, 1-1/2 BPM AT 3500 PSI. SD PUMPS. RELEASE HOWCO. COOH W/TBG AND PKR. PKR OK. SDON. PREP TO RE-SQUEEZE PERFS 5460-5620 FT. OA..

RATHERFORD UNIT NO. 19W21 PBTD 5627. WIH W/BAKER CEMENTER, SET PKR 4948 FT. RU HOWCO. PRESSURE ANNULUS TO 1000 PSI. PUMP 24 BFW, 2 BPM AT 3500 PSI. HOWCO MIX AND PUMP 35 SX CLASS B W/10 PERCENT SALT, 1-1/4 PERCENT CFR-2, 1.4 BPM AT 3200 PSI. DISPLD W/39 BFW, 1.4 BPM AT 3300 PSI. MAX PRESS 3500 PSI. SD 4 TIMES. HELD 3600 PSI SQUEFZE. RD AND REL HOWCO. CALC TOC 5384 FT. SDON. PREP TO DRILL OUT

TO 5530 FT..

RATHERFORD UNIT NO. 19W21 PBTD 5627. PREP TO DRILL OUT TO
5530 FT. 1/1/81 - COOH W/TBG AND PKR. WIH W/4-3/4 IN BIT, 5-1/2 IN
CSG SCRAPER, 2-7/8 IN TBG. TAG TOC 5374 FT. DRLD CMT 5374-5394 FT,
20 FT. CMT VERY GREEN. SDON. 1/2/81 - SD FOR HOLIDAY. DAUGG APPROVAL

Form 903 8-69

February 2, 1981

Jan. 199

TOTAL PEPTH

NATURE OF WORK PERFORMED

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1991

RATHERFORD UNIT NO. 19W21 PBTD 5627. 1/3/81 - DRLD CMT 5394-5536 FT, 142 FT. SOFT TO HARD, REC PIECES OF METAL 5458-5473 FT. CIRC HOLE CLEAN. SDON. PREP TO TEST SQZ. 1/4/81 - COOH W/BIT AND SCRAPER. WIH W/PKR SET AT 4940 FT. PRESS TSTD SQZ TO 2650 PSI. LOST 750 PSI. 5 MIN. SDON. PREP TO PERFORATE. 1/5/81 - SD SUNDAY ..

RATHERFORD UNIT NO. 19W21 NEW PBTD 5536. COOH W/PKR. RU GO WL SERVICE. WIH W/4 IN CSG GUN, 2 JSPF. STARTING FL 560 FT. MADE 4 RUNS. PERFORATED 5460-72 FT, 5476-80 FT, 5484-88 FT, 5490-5502 FT, 5505-07 FT, 5509-12 FT. TOTAL 74 SHOTS, ALL FIRED. HAD 2 MISRUNS. FINAL FL 530 FT. RD AND RELEASED GO WL. SDON. PREP TO ACIDIZE..

RATHERFORD UNIT NO. 19W21 PBTD 5536. WIH W/TBG AND PKR. TAILPIPE 5512 FT. RU HALLIB, TSTD SURF LINES TO 3500 PSI, OK. SPOT 500 GAL 28 PERCENT HCL W/10 GAL/1000 FE-1A AND 50 LB/1000 GAL FE-2 PLUS 4 GAL/ 1000 GAL HAI-50. PU AND SET PKR 4946 FT. TAILPIPE 5383 FT. PRESS ANNULUS TO 1000 PSI. HALLIB PMPD 7500 GAL ACID, 3 STAGES, USING 500 GAL DIVERT, MIXED AT 2-1/2 LB/GAL ROCK SALT AND 6 LB/100 GAL WG-6. INITIAL PMPG RATE 0.8 BPM AT 2500 PSI, AVG 2.4 BPM AT 2400 PSI. FINAL 2.9 BPM AT 2000 PSI. OVER-DISPLD W/51 BSW. SD PUMPS. ISIP 1750 PSI, 5 MIN 1700 PSI, 10MIN 1500 PSI, 15 MIN 1500 PSI. PUMP TROUBLE AND SURF LEAKS. SLOWED RATE AT END OF JOB. RD AND REL HALLIB. FLWD 190 BAW BACK. SDON W/PRESS ON TBG. PREP TO RESUME INJECTION ..

RATHEFORFORD UNIT NO. 19W21 PBTD 5536. FLOW WELLHEAD PRESS OFF, REC 30 BAW. COOH W/WORKSTRING AND PKR. WIH W/2-3/8 IN PLASTIC LINED TBG AND 5-1/2 IN BAKER LOK-SET PKR. CIRC INHIBITED PKR FLUID DN ANNULUS. SET PKR 3573 FT. ATTEMPTED TO TEST PKR, WELLHEAD LEAKS. NU WELLHEAD. SDON. PREP TO RD AND RESUME INJECTION.

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. RD AND RELEASED R AND R WS UNIT AT 9/00 AM, 1/8/81. RESUMED INJECTION AT 10/00 AM...

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 1/10/81 - INJECTED 24 HRS, REC 1737 BW. 1/11/81 - INJECTED 24 HRS, REC 341 BW. 1/12/81 -INJECTED 24 HRS, RATE 268 BWPD. TP 2640 PSI, INJ PRESS 2600 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. INECTED 24 HRS REC_257 BW . .

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 242 BW.

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 232 BW.. RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 216 BW. 2600 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. 1/17/81 - INJECTED 24 HRS. 194 BW AT 2575 PSI. 1/18/81 - NO REPORT. 1/19/81 - INJECTED 24 HRS. 191 BW AT 2600 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 183 BW AT 2550 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 24 HRS, REC 175 BW AT 2600 PSI ..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING - NO REPORT.. 27 RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 2 DAY AVG -166 BWPD AT 2600 PSI..

Form 911 1-69 Printed in U.S.A.

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DAILY REPORT DETAILED

LEASE RATHERFORD UNIT WELL NO. 19W21 SHEET NO. 3

TOTAL
1981 DATE DEPTH
NATURE OF WORK PERFORMED

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 1/24/81 - INJECTED 171 BWPD AT 2600 PSI. 1/25/81 AND 1/26/81 - NO REPORT..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTING. 3 DAY AVG - 166

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 164 BWPD AT 2575 PSI..

RATHERFORD UNIT NO. 19W21 PBTD 5536. INJECTED 159 BWPD AT 2550
PSI. FINAL REPORT SUMMARY. SQZD PERFS 5460-5620 FT W/100 SX CLASS
B CMT. HAD FLOW BACK. RE-SQZD W/35 SX CLASS B, HELD W/3600 PSI.

DO CMT TO NEW PBTD 5536 FT. PERFD ZONE I 5460-72 FT, 5476-80 FT,
5484-88 FT, 5490-5502 FT, 5505-07 FT AND 5509-12 FT, 2 JSPF.

ACIDIZED W/8000 GAL 28 PERCENT HCL. RETURNED TO A WATER INJECTOR
1/8/81 FROM ZONE I PERFS 5460-5512 FT OA, INJECTING 159 BWPD AT
2550 PSI. AFE P-U269. LOC - NE NW, SEC. 19-T41S-R24E, GREATER
ANETH FIELD, SAN JUAN CO., UTAH. API NO. 43-037-15741. SUB AREA CODE
26. FINAL REPORT..

STATE OF UTAH DIVISION OF OIL, GAS, AND MINING **ROOM 4241 STATE OFFICE BUILDING SALT LAKE CITY, UTAH 84114** (801) 533-5771

(Revised 1982)

FORM NO. DOGM-UIC-1 (RULE I-5 & RULE I-4)

IN THE MATTER OF THE APPLICATION OF PHILLIPS PETROLEUM COMPANY ADDRESS P.O. BOX 2920	CAUSE NO. C-3(B)
CASPER, WYOMING ZIP 82602 INDIVIDUAL PARTNERSHIP X CORPORATION FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR	ENHANCED RECOVERY INJ. WELL DISPOSAL WELL LP GAS STORAGE EXISTING WELL (RULE 1-4)
SEC. 19 TWP. 41S RANGE 24E	

APPLICATION

Comes now the applicant and shows the Corporation Commission the following:

1. That Rule I-5 (g) (iv) authorizes administrative approval of enhanced recovery injections, disposal or LP Gas storage operations.

Ratherford Unit	Well No. 19W21	Field Grea	ter Aneth	San Juan
ocation of Enhanced Recov ery njection or Disposal Well	19W21 Sec	19	Twp41S	Rge. 24E
lew Well To Be Drilled Yes □ No 🖸		verted] No 🔯	Casing Test Yes	No □ Date <u>5-83</u>
Pepth-Base Lowest Known Winga resh Water Within ½ Mile <u>1550</u>	Does Injection Zone Oil-Gas-Fresh Wate	Contain r Within ½ Mile YES		State What Oil & Gas
ocation of Desert Creek njection Source(s) San Juan	Paradox I & II River	Geologic Name(s and Depth of So		reek (5567') Juan River (Surface)
Geologic Name of Desert Conjection Zone	reek I	Depth of Injection Interval 540	0_ to5514	
u. Top of the Perforated Interval:	5460 b. Base of Fre	<u>'1</u>	c. Intervening Thi	ckness (a minus b) 3910
s the intervening thickness sufficien without additional data?	t to show fresh water will	be protected YES NO	See	Attachment #4
Lithology of Intervening Zones	See Attachmen	t #1		
Injection Rates and Pressures	Maximum	90 (12 - 8)	2)	B/D PSI
The Names and Addresses of Those	to Whom Notice of Applica	tion Should be Sent.		
Navajo Tribe, Mineral	s Dept., P.O. Bo	ox 146, Wind	ow Rock, AZ	86515
Superior Oil, P.O. Bo			77380	
Texaco Inc., P.O. Box				
Southland Royalty, 10	000 Fort Worth C			
tate of Wyoming)	PHILL	IPS PETROLE	UM COMPANY
. Natrona				pplicant
Before me, the undersign	whose name is subsci uthorized to make the	day personally a ribed to the above e above report a	ppeared A. e instrument, v nd that he has	E. Stuart who being by me duly sworn knowledge of the facts state
Suscribed and sworn to	before me this 21	day of	rept, 19	83
SEAL	DONALD L. HUDSO		1000	d. Z. Mudson
My commission expire	All a All May Page 12	,	ry Public in an	d for Natrona Co., Wyo

- 1. Attach qualitative and quantitative analysis of representative sample of water to be injected and a qualitative and quantitive analysis of the injection formation of water.
- 2. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within one-half mile, together and with the name of the operator(s).
- 3. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division or appropriate government agencies.)
 - 4. Attach Electric or Radioactivity Log of Subject well (if released).
- 5. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
- 6. If the application is for a NEW well the original and six (6) copies of the application and three (3) complete sets of attachments shall be mailed to the Division. For EXISTING well applications (Rule I-4) only ONE copy of the application and ONE complete set of attachments are required to be mailed to the Division.
- 7. The Division is required to send notice of application to he surface owner of the land within one-half mile of the injection well and to each operator of a producing leasehole within one-half mile of the injection well. List all required names and addresses in the appropriate space provided on the front of this form.
- 8. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county of publication before the application is approved. The notice shall include the name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application may be approved administratively.
- 9. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed by January 31st each year.
- 10. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
 - 11. If there is less intervening thickness required by Rule 1-5 (b) 4, attach sworn evidence and data.
- 12. For enhanced recovery projects, information required by Rule 1-4 which is common to more than one well, need be reported only once on the application.

CASING AND TUBING DATA

NAME OF STR	ING	SIZ E	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY			
Surface		13-3/8	176	175	Surface	Returns			
Intermediate		8-5/8	1447	800 cu ft	Surface	Returns			
Production		5-1/2	5663	550 cu ft	4245	CALCULATED			
Tubing		2-1/2	53 73	Baker Loc s	- Type - Depth of et Pkr	Tubing Packer 5373			
PBTotal Depth 5536		gic Name - Inj t Creek T	. Zone Do	epth - Top of Ini. Inte		- Base of Inj. Interval 5514			

SE BLACK INK ONLY

ORM DOGM-UIC-2						TYPE OR U
Rule I-5 (b) 2 Revised 1982)	(To b	filed with	hin 30 days	after drilling is con	npleted) 14-20-1	603 - 353
W Locate Well Co and Dutline L TYPE COMPLETIO Single Zone Multiple Zone Comingled LOCATION EXCEPTIO	DEPAR 1574	COU COM OFFI TOWEL DAT WELL	F NATURAL ION OF OIL, I OM 4241 State Salt Lake City INTY San IPANY OPER CE ADDRESS IN Cas M NAME LING STARTE E OF FIRST PI L LOCATED 660 FT. FI VATION BERGE	RESOURCES AND GAS, AND MINING Office Building V, Utch 84114 JUANSEC. 19 ATING Phillips P. O. Box 29 PET ST TO 10/24 58 p RODUCTION 12-9 NE V NW V ROM SE OF 14 SEC. 8. REXEROGR 4728	TWP. 41S Petroleum Co 20 ATE ZIP Wyomin WELL NO. 19W21 RILLING FINISHED 11 -58 COMPLETED	g 82602 1/14
<u> </u>			OIL OR G	AS ZONES		
Name		Frem	T•	Name	From	To
Desert Cree	k I	5460	5514			
Desert Cree	k II	5583	5620	(squeezed)		
Ismay		5416	5430	(squeezed)		
			CASING	A CEMENT		

	C	sing Set		Cag. Test]	, Ceme	nt
Size	Wgt.	Grade	Feet	Psi	Sax	Fillup	Тор
13-3/8	27.1	H-40	162		175		Surface
8-5/8		J-55	1444		800	cu ft.	Surface'
5-1/2	15.5	J-55	164				
	14	J-55	5519		550	cu ft.	4245
				,		•	

		l									
PBTD 5536 ACKERS SET	Baker	Loc -	· Set	Pkr	@	5373'	TOTAL D	EPTH	5	663	
DEPTH Note: This Fora	A MUST ALS	O BE AT	ACHED	WHEN	ALI	NG PLUGG	ING FOR	A DOG	3M-UIC-	6	

COMPLETION A	L TEST	DATA B	Y PRODUCING	FORMATION

	•		
ORMATION Des	ert Creek I		
PACING & SPACING	40 acre #C-3(B)		
CLASSIFICATION DISPOSAL WELL, ENHANCED RECOVERY, LP GAS STORAGE)	Enhanced Recovery		
PERFORATED	5460 -72	5505-07	
	5476-80	5509-12	•
INTERVALS	5484-88		
	5490-5502		
ACIDIZED?	1-7-81 8000 gal.		
•	28% HC1		
FRACTURE TREATED?	. No		

INITIAL TEST DATA	Converted to Inje	ctor 11-20-74	
Date	1-16-81		<u> </u>
Oil, bbl./day			
Oil Gravity			
Gas, Cu. Ft./day	CF	σ .	C#
Gas-Oil Ratio Cu. Ft./Bbl.		•	
Water-Bbi./day	216	•	-
Pumping or Flowing	Pumping		
CHOKE SIZE	~ -	j.	
PLOW TURING PRESSURE	2600		

Squeeze Desert Creek II 1-16-81

A record of the formations drilled through, and pertinent remarks are presented on the reverse.
(use reverse side)

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I, the undersigned, being first duly swem upo according to the records of this office and to	on eath, state that th the best of my know	is well red gledge an	cord is true, cor id belief.	rect and c	:omplete
Telephone 307-237-3791	Name and title of n	A.E.	Stuart,	Area	Manager
	Name and title of m	presenta	tive of compan	ıy.	
Subscribed and swem before me this	day of		200 22	1 <u>83</u>	

WELL: 19W2/	
LOCATION: NEWN Sec 19 - 7415 - RZ	I COMPLETION: 11.20.74
FIELD: GREATER ANEXH	T (DMPLE 1100)
RESERVOIR: Desert Creek I	PRESENT STATUS. W. I.
RKB 4728' GL 4714.7' 176'	SURFACE CASING: 133/8" 27.1#
2KB 7720 (1)	SURFACE CASING: 1398 21.1
GL 4/14./ 176'	H-40
	11 t: T
$\mathcal{S}(1,1)$	1
	INTERMEDIATE, CASING: 10/8
\ <u>\</u>	INTERMEDIATE CASING: 85/8"
[i]	-/h") 5
<i>{</i> ∕/	DPODUCTION CASING 3/2 /3/3
1447'	DRODUCTION CASING 5/2": 15.5 J-55-164", 144 J-55-5519
PERFORATIONS:	
J460-72	
J476-80	
5484-88	
5490-5502	
5505-07	
5309-12	
>	
	PACKER: Baker loc-set Phr @ 5373'
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111	Tubing: 21/2" @ 5373'
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РВТD: <u>5336</u>	
OTD: 5663	
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	Dhilling Debatement Company
	Phillips Petroleum Company
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CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW

0/1/	11 No. Ratherford Unix 19W21
Operator: MMASS	Sec. 19 API# 43-037-15741
	1 Enhanced Recovery Well X
New Well Conversion Disposal Wel	YES NO
UIC Forms Completed	
Plat including Surface Owners. Lea and wells of available record	seholders,
Schematic Diagram	
Fracture Information	
Pressure and Rate Control	
Adequate Geologic Information	b Touch
Fluid Source	Ves No TOS 85655
Analysis of Injection Fluid	Yes No TDS 8 2 4 3 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4
Analysis of Water in Formation to be injected into	
⋯ Known USDW in area	Wingale Depth 1330
Number of wells in area of review	Water Inj
Aquifer Exemption	Yes NA
: Mechanical Integrity Test	Yes No
	DateType
Comments: 704 4245	
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and the second second	
Reviewed by:	

See Attached San Juan Utah	OIL & GAS CONS	ERVAT' N. CC	MMISSIC	N	96-004192	
OPEN CONTROL OF PROPERTY OF THE CONTROL OF THE CAPTURE OF THE CAPT	SUNDRY NOT	ICES AND RE	PORTS. C	N WELLS	G. IF INDIAN, ALLOTTE	PORTRIER NAMES
Ratherford Unit ALMAN COLUMN TO THE PARTY OF THE PARTY O	(Do not use this form for propos	sala: to drill or to dee	per or plue be	ick to a different reservoir.		ملائلات بنوداده بدر رئید درد - دروا
Philips 01 Company Appearance of Greature P. O. Box 2920, Casper, WY 82602 Lostines of Williams See Attached Lostines of Williams See Attached Lostines of Williams See Attached Lostines of Milliams See Attached Collective Flaggeries for Service California Milliams See Attached Lostines of Milliams See Attached Lostines of Milliams See Attached See Attached Check Appropriet Box Totaliams See Attached Lostines of Milliams See Attached Lostines of Milliams See Attached See Attached Lostines of Service California See Attached See Attached Lostines of Service California See Attached See Attached See Attached Lostines of Service California See Attached S		r				
P. 10. Box 2920, Casper, WY 82602 Deciding of which processed in the process of the process of which processed in the process of the proce	ADTABLE TO SEAL					
P. O. Box 2920, Casper, WY 82602 Secretary with Report location district and in secondance with any State requirements.* See Attached L. Ferrit Pa. See Attached See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data See Attached See Attac	Phillips Oil Comp	any .				·
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(Other) Contract Report results of multiple completions on a Well-Completion on Recompletion Report and Log form.) Completion or Recompletion Recomple	. SHOOT OR ACIDIZE.		·	SHOUTING OR ACIDIZING	ABANDONME	XX*
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APPROVED BY DATE			ritle Area	Manager	DATE 12/6/8	33
APPROVED BY	(This space for Federal or State office	ce u= e)			•	
	APPROVED BY		ritle		DATE	
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*See Instructions on Reverse Side

WELL NO.	WELL LOCATION	API NO.	STATUS
	NE NE Sec.19-T41S-R24E NE NW Sec.20-T41S-R24E NE SW Sec.20-T41S-R24E NE NE Sec.20-T41S-R24E NE NE SE Sec.20-T41S-R24E NE NW Sec.21-T41S-R24E NE NW Sec.21-T41S-R24E NE NE SE Sec.21-T41S-R24E NE NW Sec.22-T41S-R24E NE NW Sec.22-T41S-R23E NE NW Sec.24-T41S-R23E NE NW Sec.24-T41S-R23E NE NW Sec.29-T41S-R24E NE NW Sec.29-T41S-R24E NE NW Sec.29-T41S-R24E NE NE SE Sec.29-T41S-R24E NE NE SE Sec.30-T41S-R24E NE NE Sec.30-T41S-R24E NE NE Sec.30-T41S-R24E NE NE Sec.5-T41S-R24E NE NE Sec.4-T41S-R24E NW NW Sec.4-T41S-R24E NE NE Sec.4-T41S-R24E	43-037-15745 43-037-16423 43-037-15751 43-037-16425 43-037-16426 43-037-16427 43-037-16429 43-037-16430 43-037-16431 43-037-16432 43-037-16433 43-037-16434 43-037-16435 43-037-16436	SI t

Formerly 9-331) DEPARTMENT F THE INTERIOR verse side) BUREAU OF LAND MANAGEMENT	Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353 6. IF INDIAN, ALLOTTES OR TRIBE NAME
SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. (Do not use this form for proposals.)	Navajo
	7. UNIT AGREEMENT NAME
OIL CAR Water Injection Well	SW-I-4192
WELL WELL OTHER WATER TRIJECTION WETT	S. FARM OR LEASE NAME
Phillips Petroleum Company	Ratherford Unit
PRITTIPS PECTOTEUM COMPANY	9. WHLL NO.
n Humming 92602	19W2] 10. FIBLD AND POOL, OR WILDCAT
A COMMON OF WELL (Report location clearly and in accordance with	Greater Aneth
See also space 11 perow.)	11. SEC. T. R. M. OR BLE. AND
660' FNL & 1860' FWL, NE NW	SORARI OF THAT
	Sec. 19-T41S-R24E
	12. COUNTY OR PARISE 18. STATE
14. PERMIT NO. 15. BLEVATIONS (Show whether DF, ET, GR, etc.)	San Juan Utah
API #43-037-15741 RKB 4728'	
CL LA STATE ROY To Indicate Nature of Notice, Report, or	Other Data
403430	DENT ERPORT OF:
NOTICE OF INTENTION TO:	BEPAIRING WELL
TEST WATER SHUT-OFF PULL OR ALTER CASING WATER SHUT-OFF PRACTURE TREATMENT	ALTERING CASING
PRACTURE TREAT MULTIPLE COMPLETE SHOOTING OR ACIDIRING	X ABANDONMBHT*
SHOOT OR ACIDIES	
REPAIR WELL CHANGE PLANS (Other) (NOTE: Report result	of multiple completion on Well pletion Report and Log form.)
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dated proposed work. If well is directionally drilled, give subsurface locations and measured and true vertice.	
May 23, 1985 through June 5, 1985 Acidized Zone I w/5500 gal 28% HCL in 3 stages, m coarse rock salt as divertant. Returned to inject 5/29/85 with a final test run 6/5/85. Injection Rate Before - 93 BWPD at 2600 psi	ixed w/ ion
Injection Rate After - 188 BWPD at 2350 psi	RECEIVED
	LOLIVED
	Ata
	NOV 0 1 1985
5 - BLM, Farmington, NM	
2 - Utah O&G CC, Salt Lake City, UT 1 - R. Ewing, B'Ville 1 - L. Williamson, Denver 1 - File (RC)	CAS & MINING
18. I hereby certify that the foregoing is true and correct	10/00/05
SIGNED Area Manager SIGNED Area Manager	DATE10/29/85
(This space for Federal or State office use)	11-85-
APPROVED BY CONDITIONS OF APPROVAL, IF ANY	DATE 11-8-85

*See Instructions on Reverse Side

Mobil Oil Corporation

P.O. BOX 5444 DENVER, COLORADO 80217-5444

May 14, 1986

Utah Board of Oil, Gas and Mining 355 West North Temple 3 Triad Center, Suite 350 Salt Lake City, Utah 84180-1203

Attn: R. J. Firth
Associate Director



DIVISION OF OIL, GAS & MINING

SUPERIOR OIL COMPANY MERGER

Dear Mr. Firth:

On September 20, 1984, The Superior Oil Company (Superior) became a wholly owned subsidiary of Mobil Corporation. Since January 1, 1985, Mobil Oil Corporation (MOC), another wholly owned subsidiary of Mobil Corporation, has acted as agent for Superior and has operated the Superior-owned properties.

On April 24, 1986, Superior was merged with Mobil Exploration and Producing North America Inc. (MEPNA), which is also a wholly owned subsidiary of Mobil Corporation. MEPNA is the surviving company of the merger.

This letter is to advise you that all properties held in the name of Superior will now be held in the name of MEPNA; and that these properties will continue to be operated by MOC as agent for MEPNA.

Attached is a listing of all wells and a separate listing of injection-disposal wells, Designation of Agent and an organization chart illustrating the relationships of the various companies. If you have any questions or require additional documentation of this merger, please feel free to contact me at the above address or (303) 298-2577.

Very truly yours,

R. D. Baker

Environmental Regulatory Manager

CNE/rd CNE8661

UTAH DIVISION OF OIL, GAS AND MINING CASING-BRADENHEAD TEST

OPERATOR: Ph:	Ilips	Petroleu	om C	ompany		
					Ratherford Unit	
WELL #					TOWNSHIP 415 RANGE	
STATE FED. F					ĭ W MAX. INJ. PRESS	
TEST DATE_6		***		٠		
CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE		176				
INTERMEDIATE	85/8	1447	800ft ³			
PRODUCTION	51/2	5663	<u>550ft</u> 3	1928	2028 Bifor How & Blow water /15 & Argpord to 1920	down Check
		•			119prd to 1920	top pes
TUBING		5373		L& 50 -		
	Baker L	oc-set Pk	r 537.	3		
CASING STRING SURFACE	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
INTERMEDIATE						
PRODUCTION						
TUBING						
						
CASING STRING	SIZE	SET AT	CMT	PRESSURE READINGS	REMARKS	FUTURE
SURFACE						101014
INTERMEDIATE					_	
PRODUCTION						Walter Area Commission Commission
		-				
IUBING						

Fc:+3160-5 (November 1983) (Formerly 9-331)	UNITED STATES DEPARTME. OF THE I BUREAU OF LAND MANAGE	NTERIOR (Other Instruction rerse side)	Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND SERIAL NO. 14-20-603-353
(Do not use this	IDRY NOTICES AND REPORT FOR PERMIT—"	ORTS ON WELLS or plug back to a different reservoir. for such proposals.)	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATO			Navajo 7. UNIT AGREEMENT NAME SW-I-4192 8. FARM OB LEASE NAME Ratherford Unit 9. WELL NO.
	x 1150, Cortez, CO 81 Report location clearly and in accordance ow.) & 1860 FWL	JUN 10 1988 C. 321 With any State CONSTON OF OIL, GAS & MINING	#19W21 10. FIELD AND POOL, OR WILDCAT Greater Aneth 11. SRC., T., E., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO. 43-037-1	15. ELEVATIONS (Show w	, , , , , , , , , , , , , , , , , , , ,	Sec. 19-T41S-R24E 12. COUNTY OF PARISH 13. STATE San Juan Utah
FRACTURE TREAT SHOOT OR ACIDIZE REPAIR WELL Other) 17. DESCRIBE PROPOSED OR proposed work. If nent to this work.)	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON* CHANGE PLANS COMPLETED OPERATIONS (Clearly state all well is directionally drilled, give subsurf	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING (Other) (Note: Report result Completion or Recomp pertinent details, and give pertinent dates ace locations and measured and true vertice 988 through February ce Unit on 1/24/88.	BEPAIRING WELL ALTERING CASING ABANDONMENT ⁴ s of multiple completion on Well election Report and Log form.) including estimated date of starting any all depths for all markers and zones perting.
Acidized injection	with 3500 gal. 28% Has a equipment. Pressur 15 minutes. RR and Injection Before:	n tubing workstring, C1 acid. Swab back 1 ed tubing/casing annu place well back on in 81 BWIPD @ 2450 ps 153 BWIPD @ 2450 ps	oad. RIH with lus to 1050 psi and jection 2/2/88.
1-R. J. F 1-D. C. G 1-Texaco,	& G Liams, Bartlesville Rundt (r) Engineering Gill (r) Denver Files U.S.A., Casper WY Office - RC		

18. I hereby certify that the foregoing is true and correct SIGNED

TITLE District Superintendent DATE

(This space for Federal or State office use)

TITLE . DATE

*See Instructions on Reverse Side

Ratherford Unit	#	19W21
RKB Elev.		4728'
GL ELEU.		4718'
RKB Above GL'		10'

Location <u>NE</u> <u>NW</u> <u>sec. 19</u> T415- R24E Well Dald 11/11/58 WELL CONVERTED to injector 7/13/64

CONDUCTOR CSC 13% 176'

85/8 @ 1447° Surface CsG.

TOC 3500' CALC. Tubing 23/8@ 5,3041 Duoline H72 PACKER BAKER LOK-SET PER PERFS 5460-72 5476-80 5505 - 07

PBTO 55361

5/205662 PRODUCTION Csg.

All Perfs Zone I UNLESS NOTED

BUI	UNITED STATES RTMEN" OF THE INTER REAU OF TAND MANAGEMEN		Budget Bureau No. 1004-0135 Expires August 31, 1985 5. LEASE DESIGNATION AND BEREAU NO.
	OTICES AND REPORTS		6. IF INDIAN, ALLOTTER OR TRIBE NAME
Um "APP	proposals to drill of to deepen or plug PLICATION FOR PERMIT—" for such	proposals.)	SW-I-4192
OIL GAB OTH	WATED INTECTION C I	JATER CURRLY TIPLE	7. USIT AGREEMENT NAME
NAME OF OPERATOR	WATER INJECTION & V	WATER SUPPLY WELLS	RATHERFORD UNIT #79600419
PHILLIPS PETROLEUM	COMPANY	I	The same of the sa
. ADDRESS OF OPERATOR			9. WELL NO.
152 N. DURBIN, 2ND	FLOOR, CASPER, WYOMING		VARIOUS (see attached)
See also space 17 below.) At surface	ion clearly and in accordance with an		10. FIELD AND POOL, OR WILDCAT
SEE ATTACHI	14185	* Silving L	GREATER ANETH
	رُسُونُ مُنْ اللهِ ا	MAR 20 1989	SURVET OR ARBA
	•	A6381911 55	Sections 1 thru 30 T41S - R23E & 24E
. PERMIT NO.	15. BLEVATIONS (Show whether D		12. COUNTY OR PARISH 18. STATE
		URL, GAG (2 Janeine)	San Juan Utah
1. Check	Appropriate Box To Indicate !	Nature of Notice, Report, or Otl	her Data
	NTENTION TO:		NT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	
PRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON®	SHOOTING OR ACIDIZING	ABANDONMENT®
REPAIR WELL	CHANGE PLANE	(Other) CHANGE OF OWN	NERSHIP XX
(Other) .		(Nors: Report results of Completion or Recompleti	multiple completion on Well
		it details, and give pertinent dates, in itions and measured and true vertical (cluding estimated date of starting any depths for all markers and sones perti-
This is to the Rather to Phillip	o advise all Water Inje ford Unit, listed on t	ction and Water Supply he attached sheet, were ffective August 1, 1985	eluding estimated date of starting any depths for all markers and sones perti-
This is to the Rather to Phillip	o advise all Water Inje ford Unit, listed on t os Petroleum Company, e	ction and Water Supply he attached sheet, were ffective August 1, 1985	eluding estimated date of starting any depths for all markers and sones perti-
This is to the Rather to Phillip	o advise all Water Inje ford Unit, listed on t os Petroleum Company, e	ction and Water Supply he attached sheet, were ffective August 1, 1985	eluding estimated date of starting any depths for all markers and sones perti-
This is to the Rather to Phillip	o advise all Water Inje ford Unit, listed on t os Petroleum Company, e	ction and Water Supply he attached sheet, were ffective August 1, 1985	eluding estimated date of starting any depths for all markers and sones perti-
This is to the Rather to Phillip	o advise all Water Inje ford Unit, listed on t os Petroleum Company, e	it details, and give pertinent dates, in thions and measured and true vertical of the control of	My Farmington, NM
This is to the Rather to Phillip	o advise all Water Injectord Unit, listed on tos Petroleum Company, e perator - Phillips Oil	tions and measured and true vertical cutions and water Supply he attached sheet, were ffective August 1, 1985 (Company)	M, Farmington, NM ah O&G CC, SLC, UT
This is to the Rather to Phillip (former Op	advise all Water Injectord Unit, listed on tos Petroleum Company, e perator - Phillips Oil	tions and measured and true vertical cutions and water Supply he attached sheet, were ffective August 1, 1985 (Company)	M, Farmington, NM ah O&G CC, SLC, UT
This is to the Rather to Phillip (former Op	advise all Water Injectord Unit, listed on tos Petroleum Company, e perator - Phillips Oil TITLE Dis	tions and measured and true vertical distances and tr	My Farmington, NM which occupants of the control o

*See Instructions on Reverse Side

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT—" for such proposals—12716.

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No. 14-20-603-353

6. If Indian, Allottee or Tribe Name

Nava	0	Tri	iba]	L

Water Shut-Off

Dispose Water

Conversion to Injection

(Note: Report results of multiple completion on Well

SUBMIT	IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well Oil Gas Well Well Other *Water Inj	ect MAY 20	SW-I-4192 8. Well Name and No.
2. Name of Operator Phillips Petroleum Company	DIVISION (
3. Address and Telephone No. 300 W. Arrington, Suite 200, Fa	armington, NM 87401 (505) 599	142 027 15/21
4. Location of Well (Footage, Sec., T., R., M., or Survey Desc 660 FNL & 1860 FWL Sec. 19, T41S, R24E	ription)	Greater Aneth 11. County or Parish, State
	TO INDICATE NATURE OF NOTICE	San Juan, Utah
TYPE OF SUBMISSION	TYPE OF	ACTION
Notice of Intent	Abandonment	Change of Plans
Subsequent Report	Recompletion Plugging Back	New Construction

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Casing Repair

XX Other Clean Out & Stimulate

April 16, 1991 thru April 23, 1991

Final Abandonment Notice

MI & RU service unit 4/16/91. ND WH, NU BOP. Released Baker 5-1/2" interlock pkr and COOH w/167 jts 2-3/8" Rice Duo-lined tbg and pkr. PU 4-3/4" bit and 5-1/2" csg scraper and 158 jts 2-3/8" work string. Drilled to 5470'. COOH. PU 3-7/8" bit and 4" csg. scraper. TIH and drilled to 5536'. Flowed down well, COOH w/tbg. pkr. and scraper. PU 5-1/2", R-3 pkr. TIH and set pkr @ 5275'. RU Dowell and tested lines to 4000 psi. Est. inj. rate, pumped 4000 gals 28% gelled acid w/100 sealers and additives overdisplaced w/50 bbls H20, avg. 1850 @ 4 BPM. Released pkr, pumped 20 bbls water down tbg. COOH LD workstring (167 jts 2-3/8" tbg). PU 5-1/2" Otis interlock on-off tool, ran tbg drifting barrier rings. Tested tbg. to 3000 psi - okay. Set pkr @ 5261'. Tested annulus to 1100 psi - okay. Pull off of packer on-off tool, circ. packer fluid. ND BOP's, NU WH. Pressure csg. to 1080 psi, ran 45 min. MIT test using chart recorder - okay. Bleed off pressure, run in hole w/sandline and knock plug out of pkr. POOH w/sandline. RD and move off location. Put well back on injection.

(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title	Date
Signed Robinson	Title Sr. Drlg. & Prod. Engr.	5-1-91

Tide 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

14. I hereby certify that the foregoing is true and correct

(This space for Federal or State office use)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

Do not use this form for proposals to drill or to deepen or reentry to a different research Use "APPLICATION FOR PERMIT—" for such proposals



FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

5. Lease Designation and Serial No.

14-20-603-353

Oil, Gas and

6:4If Indian, Allottee or Tribe Name

USB AFFLICATION TO	The such proposals	Navajo Tribal
SUBMI	T IN TRIPLICATE DIVISION OF	7. If Unit or CA, Agreement Designation
1. Type of Well	OIL GAS & MINING	
— C+ —	Injector	SVI-I-4192 8. Well Name and No.
2. Name of Operator		Ratherford 19W21
Phillips Petroleum Company		9. API Well No.
3. Address and Telephone No.		13-037-15741
5525 Hwy 64 NBU 3004, Farmin	ngton, NM 87401 (505) 599-3412	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey I	Description)	Greater Aneth
660' FNL & 1860' FWL		11. County or Parish, State
Sec. 19, T42S, R24E		San Juan, Utah
12 CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPOR	IT, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
X Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	L.J Other	Dispose Water (Note: Report results of multiple completion on Wei
13 Describe Proposed or Completed Operations (Clearly State a	I pertinent details, and give pertinent dates, including estimated date of starting	Completion or Recompletion Report and Los form
give subsurface locations and measured and true vertice	al depths for all markers and zones pertinent to this work.)*	my proposed work. It well is directionally only
This well was shut-in 5/24/91 u	ntil casing integrity can be establis	had by munning a /!!
flush joint liner. The well has	developed a small amount of annular	pressure Past ov-
perience indicates that these 1	eaks produce small amounts of fluid in	nto the casing but
requires excessive pressure to	pump into, therefore a cement squeeze	will not be performed
It is proposed that the existin	g 5-1/2" casing be perforated @ 1500'	(53' below surface
casing shoe) and Class G cement	be circulated to surface. This will	meet P&A requirements
for the future.		
The A" liner would be sun from	+ 55261 to sumface mile 1: 1	
with 50/50 (G.Poz) coment the	$^\pm$ 5536' to surface. The liner would be DV tool will be at $^\pm$ 3000'. The well $^ au$	e cemented in 2 stages
5460'-5512' OA. and stimulated	with 3500 gallons of 15% HCl acid. The	Will be perforated from
pe set at - 5410', an MIT (1000	psi for 30 minutes) will be performed	s injection packer will
be returned to injection. Forty	eight hour notice will be given prior	r to cementing the
surface casing shoe, the 4" lin	er, and performing the MIT.	. co commercing the
	_ Acc	epted by the State
5-BLM, Farmington 1-EPA, San 2-Utab O&G 1-FPA Win	Fiducisco I-P I Konkol	tah Division of

Federal Approval of this

Action is Necessary

Title Sr. Drlg. & Prod. Engr. Date:

PRESENT

DOWNHOLE SCHEMATIL

Ratherford Unit # 19W21
RKB Elevation 4729'
RKB Correction 11'

	Su	rface Casin	g: 13-3/8" @	176'
·.	In	termediate (Casing: <u>8-5/8'</u>	' @ 1447'
	Tu	C:4790 bing:2-3/8" cker:5-1/2"	O' Calc Duoline Otis Interlock @	4995'
	Pen	rforations:_ 	5460'-72' 5476'-80' 5484'-88'	5509'-12'
	PBT	'D: 5536'	5490'-5502' 5505'-07'	
		duction Cas	ing: <u>5-1/2", 14</u> er:	4 <u>#, K-55 @ 5</u> 663'

PROPOSED

DOWNHOLE SCHEMATI

Ratherford Unit | 19W21

RKB Elevation 4729'

RKB Correction 11'

	Surface Casing: 13-3/8" @ 176'
.	Intermediate Casing: 8-5/8" @ 1447'
	TOC: Surface Tubing: 2-3/8" Duoline Packer: 4" Arrow Set I
DV Tool @ ± 3000'	Perforations: 5460'-72' 5476'-80' 5484'-88' 5490'-5502' 5505'-5512' PBTD: 5530'
	Production Casing: 5-1/2", 14#, K-55 @ 5663' Production Liner: 4",11.6# @ 5536'

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPRO	OVED
Budget Bureau No.	1004-0135
Fraisse Massh	11 1001

5. Lease Designation and Serial No.

14-20-603-353 SUNDRY NOTICES AND REPORTS ON WELLS 6. If Indiam Allottee or Tribe Name Do not use this form for proposals to drill or to deepen or reentry to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals Navajo Tribal 7. If Unit or CA, Agreement Designation SUBMIT IN TRIPLICATE 1. Type of Well SW-I-4192 Oil Well Gas Well JUN 1 4 199 X Other Water Injection 8. Well Name and No. 2. Name of Operator Ratherford Unit No. 19W2 Phillips Petroleum Company DIVISION OF 9. API Well No. 3. Address and Telephone No. 43-039-757797 300 W. Arrington, Suite 200, Farmington, NM 87401 10. Field and Pool, or Exploratory Area 4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Greater Aneth 660' FNL & 1860' FWL 11. County or Parish, State Sec. 19, T41S, R24E San Juan, Utah CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA 12. TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Abandonment Change of Plans Recompletion **New Construction** Subsequent Report Plugging Back Non-Routine Fracturing Casing Repair Final Abandonment Notice Altering Casing Conversion to Injection XX Other Clean Out & Stimulate Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)* April 16, 1991 thru April 23, 1991 MI & RU service unit 4/16/91. ND WH, NU BOP. Released Baker 5-1/2" interlock pkr and COOH w/167 jts 2-3/8" Rice Duo-lined tbg and pkr. PU 4-3/4" bit and 5-1/2" csg scraper and 158 jts 2-3/8" work string. Drilled to 5470'. COOH. PU 3-7/8"

MI & RU service unit 4/16/91. ND WH, NU BOP. Released Baker 5-1/2" interlock pkr and COOH w/167 jts 2-3/8" Rice Duo-lined tbg and pkr. PU 4-3/4" bit and 5-1/2" csg scraper and 158 jts 2-3/8" work string. Drilled to 5470'. COOH. PU 3-7/8" bit and 4" csg. scraper. TIH and drilled to 5536'. Flowed down well, COOH w/tbg. pkr. and scraper. PU 5-1/2", R-3 pkr. TIH and set pkr @ 5275'. RU Dowell and tested lines to 4000 psi. Est. inj. rate, pumped 4000 gals 28% gelled acid w/100 sealers and additives overdisplaced w/50 bbls H20, avg. 1850 @ 4 BPM. Released pkr, pumped 20 bbls water down tbg. COOH LD workstring (167 jts 2-3/8" tbg). PU 5-1/2" Otis interlock on-off tool, ran tbg drifting barrier rings. Tested tbg. to 3000 psi - okay. Set pkr @ 5261'. Tested annulus to 1100 psi - okay. Pull off of packer on-off tool, circ. packer fluid. ND BOP's, NU WH. Pressure csg. to 1080 psi, ran 45 min. MIT test using chart recorder - okay. Bleed off pressure, run in hole. w/sandline and knock plug out of pkr. POOH w/sandline. RD and move off location. Put well back on injection.

4. I hereby certify that the foregoing is true and correct Signed E. RODINSON	Sr. Drlg. & Prod. Engr.	ACCEPTED FOR RESPRE
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Tide	ыАт 1: 1991
Conditions of approval, if any:		FARMINGTON NEODUNGE AREA

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

DIDEALLO	LAND MANAGEMENT	Expires: March 31, 1993
BUREAU OF	5. Lease Designation and Serial No.	
SUNDRY NOTICES	14-20-603-353	
•	drill or to deepen or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name
Use "APPLICATION FO	OR PERMIT—" for such proposals	Name to Mill 1
	10) 5(G 3) W 5	Navajo Tribal
SUBMI	T IN TRIPLICATE	7. If Unit or CA, Agreement Designation
1. Type of Well		Ratherford Unit SW-I-4192
Oil Cas C (Alla)	JUN 1 4 1991	8. Well Name and No.
2. Name of Operator		Ratherford Unit #19W2
Phillips Petroleum Company	DIVISION OF	9. API Well No.
3. Address and Telephone No	OIL GAS & MINING	42027 15741
5525 Hwv 64 NBU 3004. Farmin	gton, NM 87401 (505) 599-3412	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey	Description)	Greater Aneth
660' FSL & 1860' FEL		11. County or Parish, State
Sec. 19, T42S, R24E		
41		San Juan, Utah
CHECK APPROPRIATE BOX	(s) TO INDICATE NATURE OF NOTICE, REPOR	RT. OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	
Notice of Intent	Abandonment	Change of Plans
	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing	Conversion to Injection
	Other VIC pressure test	Dispose Water
	,	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
ball valve & bull plug on brad for 15 min good. Release pk w/pkr fluid. Remove gland nuts slip bowl. Pressure test (UIC) Initial Pre- Final Press PU injection line/filter system Prior Inj. Post Inj.	place R-49 ring. NU tbg spool to brade enhead. Pressure test 5-1/2" x 2-3/8" r, space out @ 4995'. Displace 5-1/2" & hold down bolts, R & R same, re-ins 5-1/2" x 2-3/8" annulus 45 min. as be essure - 1200 psi sure - 1150 psi m to tbg. Put well on injection @ 1600 Rate - 120 BWPD @ 2675 psi Rate - 177 BWPD @ 2575 psi	annulus 1100 psi x 2-3/8" annulus tall & lock down low:
	1-PPCo, Farmington, P. J. Konkel Title Sr. Drlg. & Prod. Engr.	Date 6-11-91
(This space for Federal or State office use)		
from share for a contra or some contra and		
Approved by Conditions of approval, if any:	Title	Date
Constitutes of approved, is may.		

FORM APPROVED

Budget Bureau No. 1004-0135

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED			
Budget Bun	cou No.	1004-0135	
Expires:	March 3	11, 1993	

			Exp	res:	Ma	rch	31, K	73	
VΘ	Ŋ.	Loue	Desi	gneti	08 (Serie	N) .

KEUEIVE	3. Lesse Designation and Serial No
	14-20-603-353

SUNDRY NOTICES AND REPORTS ON WELLS	14-20-603-353
Do not use this form for proposals to drill or to deepen or reentry to a different recently	6. If Indian, Allottoe or Tribe Name
Use "APPLICATION FOR PERMIT—" for such proposals	Navaio Tribal
SUBMIT IN TRIPLICATE	ti William or CA, Agreement Design
1. Type of Well	Ratherford Unit
ON Cas Well Other Water Injector	SW-I-4192 8. Well Name and No.
2. Name of Operator	Ratherford 19W21
Phillips Petroleum Company	9. API Well No.
3. Address and Telephone No.	13-037-15-741
5525 Hwy 64 NBU 3004, Farmington, NM 87401 (505) 599-3412	10. Field and Pool, or Exploratory Are
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Greater Aneth
660' FNL & 1860' FWL	11. County or Parish, State
Sec. 19, T4‡S, R24E	San Juan, Ntah
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
X Notice of Intent	Change of Plans
Recompletion	New Construction
Subsequent Report Plugging Back	Non-Routine Fracturing
JUL 1 5 1991 Casing Repair	Water Shat-Off
Final Abandonment Notice Altering Casing	Conversion to Injection
DIVISION OF U Other	Dispose Water
GAS & MINING	(Note: Report results of multiple completion of Completion or Recompletion Report and Log
13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting a give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)	ry proposed work. If well is directionally
This well was shut-in 5/24/91 until casing integrity can be establish flush joint liner. The well has developed a small amount of annular aperience indicates that these leaks produce small amounts of fluid in requires excessive pressure to pump into, therefore a cement squeeze It is proposed that the existing 5-1/2" casing be perforated @ 1500' casing shoe) and Class G cement be circulated to surface. This will for the future.	oressure. Past ex- ito the casing but will not be perform (53' below surface
The 4" liner would be run from ± 5536' to surface. The liner would be with 50/50 (G:Poz) cement, the DV tool will be at ± 3000'. The well w 5460'-5512' OA, and stimulated with 3500 gallons of 15% HCl acid. The be set at - 5410', an MIT (1000 psi for 30 minutes) will be performed be returned to injection. Forty-eight hour notice will be given prior surface casing shoe, the 4" liner, and performing the MIT. 5-BLM, Farmington 1-EPA, San Francisco 1-P I Korkel	vill be perforated for injection packer will and the well will
2-Utah, O&G 1-EPA, Window Rock 1-Farmington - RC	
14. I hereby certify that the foregoing is true and correct	The second secon
Signed Z. C. Volumen Approved By Frod Engr.	5-31-91
(This space for Federal or State office use) OF UTAH DIVISION OF	}
Approved by THE GAS AND MINUNG	. Date
Conditions of approval, if any: DATE: 7-26-91	

*See Instruction on Reverse Side
OPERATOR

Tide 18 U.S.C. Section 1001, makes it a crime for my person knowingly or representations as to any matter within its jurisdiction.

FARMINGTON RESUUTICE ART

PRESENT

DOWNHOLE SCHEMATIC

Ratherford Unit	19W21
RKB Elevation	4729'
RKB Correction	11'

Surface Casing: 13	-3/8" @ 176 '
Intermediate Casing:_	8-5/8" @ 1447'
TOC: 4790' Calc	
TOC: 4790' Calc Tubing: 2-3/8" Duoline	
Packer: 5-1/2" Otis Inte	71ock @ 40051
Perforations: 5460'-7	72' 5509'-12'
5484'-8	88'
5490'-5	502'
5505'-0	17'
PBTD: 5536'	
Production Casing: 5-	1/2", 14#, K-55 @ 5663'
Production Liner:	

DECIMENT.

JUL 1 5 1991

DIVISION OF OIL GAS & MINIMO Form 3160-5

UNITED STATES

REC B	FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993 M Lease Designation and Serial No.
JUN 13	14-20-603-353 6, If Islandan, Altonee or Tribe Name
FARIII	7. If Unit or CA. Agreement Designation
	Ratherford Unit SW-I-4192 8. Well Name and No.
991	Ratherford Unit #19W2
AINO NE	10. Field and Pool, or Exploratory Area
	Greater Aneth 11. County or Pansh, State San Juan, Utah
·	T, OR OTHER DATA
ACTION	
	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
late of starting a	ay proposed work. If well is directionally drilled.
2-3/8" . 5 - 1/2" :	nhead. Replace annulus 1100 psi x 2-3/8" annulus tall & lock down low:
@ 1600	hours.

Juli 24 Tal

(June 1990)		OF THE INTERIOR R	CLIVE DExpires: March 31, 1993
	BUREAU OF LA	ND MANAGEMENT	B Lease Designation and Serial No.
	SUNDRY NOTICES A	ND REPORTS ON WELLS Q1 Him	14-20-603-353
		ND REPORTS ON WELLS SIJUY or to deepen or reentry to a different reservoi	3 6 If Islandan, Altonee or Tribe Name
Us	e "APPLICATION FOR I	PERMIT—" for such proposals 019 FAR	
		JIJ I AT	7. If Unit or CA, Agreement Designation
	SUBMIT II	N TRIPLICATE DIS (C) SI WIST	Ratherford Unit
1. Type of Well		· · · · · · · · · · · · · · · · · · ·	SW-I-4192
Oil Gas Well Well	Other W/W		8. Well Name and No.
2. Name of Operator	COURT TV TT	'JUL 1 5 1991	Ratherford Unit #19W
Phillips Petro	oleum Company		9. API Well No.
3. Address and Telephone No		DIVISION OF	43-037-15741
5525 Hwy 64 NI	BU 3004, Farmingto	on, NM 87401 (505) 01599 ASI & 2MINING	10. Field and Pool, or Exploratory Area
	Sec., T., R., M., or Survey Descri	ption)	Greater Aneth
660' FSL & 186			11. County or Parish, State
Sec. 19, T4 2 S.	, R24E		San Juan, Utah
		TO MIDIOATE MATURE OF MOTION DEP	
12. CHECK A	PPROPRIATE BOX(s)	TO INDICATE NATURE OF NOTICE, REP	ORT, OR OTHER DATA
TYPE OF S	UBMISSION	TYPE OF ACTIO	N
Notice of I	nieni	Abandonment	Change of Plans
(L) (10000 01)		Recompletion	New Construction
Subsequent	Report	Plugging Back	Non-Routine Fracturing
		Casing Repair	Water Shut-Off
Final Abar	ndonment Notice	Altering Casing	Conversion to Injection
		Other	Dispose Water [Note: Report results of multiple completion on Well
			Completion or Recompletion Report and Log form)
13. Describe Proposed or Comp	pleted Operations (Clearly state all persons and measured and true vertical de	unent details, and give pertinent dates, including estimated date of start pths for all markers and zones pertinent to this work.)*	ting any proposed work. If well is directionally drilled
give substituce location	THE STATE OF	,	
5-9-91			
ND tbg spool to	bradenhead. Repla	ace R-49 ring. NU tbg spool to bra	denhead. Replace
ball valve & bu	ll plug on bradenh	nead. Pressure test $5-1/2$ " x $2-3/8$	" annulus 1100 psi
for 15 min g	ood. Release pkr,	space out @ 4995'. Displace 5-1/2	" x 2-3/8" annulus
w/pkr fluid. Re	move gland nuts &	hold down bolts, R & R same, re-i	nstall & lock down
slip bowl. Pres	sure test (U1C) 5-	-1/2" x 2-3/8" annulus 45 min. as	below:
	Initial Press	sure - 1200 psi	
	Final Pressur	e - 1150 psi	
PU injection li	ne/filter system t	to tbg. Put well on injection @ 16	00 hours.
		te - 120 BWPD @ 2675 psi	
	Post Inj. Rat	e - 177 BWPD @ 2575 psi	
. DIM 0	We -1 OCC 1 PT	OA Can Emanaidae 1 FDA Minder D	ock 1 Chioftain 1-Mobil
		PA, San Francisco, l-EPA, Window R -PPCo, Farmington, P. J. Konkel	ock, 1-chieftain, 1-mobil
1-lexaco, 1	-rrco, nouston, i-	-11 Co, raimington, 1. o. Ronker	
14. I hereby certify that the for	resours is true and correct		
SEP-	luna -	Tide Sr. Drlg. & Prod. Engr.	6-11-91
Signed ROD (This space for Federal or	DSOR		continue for proper
	union vicino viloj		ACCEPTED FOR RECORD
Approved by Conditions of approval, if	any:	Title	
			and the growth of the control of the

Title 18 U.S.C. Section 1884, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES **MENT OF THE INTERIOR**

BURE OF LAND MANAGEMENT

	FORM APPROVED
	Budget Bureau No. 1004-0135
	Expires: March 31, 1993
₹	Lens Devises and Contain

	The same of the sa	5. Lesse Designation and Serial No.
SUNDRY NOTICE	S AND REPORTS ON WELLS	14-20-603-353
Do not use this form for proposals to	drill or to deepen or reentry to a different reservoir.	6. If Indian, Allottee or Tribe Name
Use "APPLICATION I	FOR PERMIT—" for such proposals	1
	OF SUCH PROOSAIS	Navajo Tribal /
SUBM	IT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
	1111 6 7 1000	Ratherford Unit
I. Type of Well Gas Gas	JAN 1 3 1832	SW-I-4192
	ection	8. Well Name and No.
2. Name of Operator	DIVISION OF	Ratherford Unit #19W2
Phillips Petroleum Company	OLGAS NIMING	9. API Well No.
3. Address and Telephone No.		43-037-15741
5525 Hwy 64 NBU 3004, Farmin	gton, NM 87401 (505) 599-3412	10. Field and Pool, or Exploratory Area
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660' FNL & 1860' FWL		11. County or Parish, State
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		San Juan, Utah
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TYPE OF SUBMISSION	TYPE OF ACTION	THE TOTAL A
Notice of Intent		
C. J POCKE OF INCOM	Abandonment	Change of Plans
Subsequent Report	Recompletion	New Construction
C) Subsequent Kepon	Plugging Back	Non-Routine Fracturing
Final Abandonment Notice	Casing Repair	Water Shut-Off
L Final Abandonment Notice	Altering Casing	Conversion to Injection
i	U Other	Dispose Water
		(Note: Report results of multiple completion on Wei Completion or Recompletion Report and Log form
13. Describe Proposed or Completed Operations (Clearly state al	pertinent details, and give pertinent dates, including estimated date of starting a depths for all markers and zones pertinent to this work.)*	my proposed work. If well is directionally drill
•	a separation are markers and zones pertinent to this work.)*	, a.s.
10-29-91 thru 11-25-91		
M1 & RU MWS #31. COOH w/injecti	on equipment. Perforated csg @ 1600' ar	nd laid 20 sx Class G
cmt plug across inj. interval.	Set cmt retainer @ 1514'. RU Dowell.Pmp	od 67 bbls Class G cmt
and displaced $w/5.3$ bbls wtr. R	D Dowell. Drilled out cmt retainer & cm	nt. RII Schlumberger and
ran waterflow log from 1530'. N	o flow. RD Schlumberger. Bit slid out o	of csg in injection
interval. RU Dowell and pmpd 50	sx Cl G cmt and displaced w/28 bbls wt	tr to cmt deviation
out of csg. Pressured the to 75	O psi. Drilled cmt 5273'-5465'. Milled	to 5536'. Circulated
well clean. RU to run 4" csg li	ner w/shoe @ 5529', float collar @ 5487	7' and DV tool @ 3018'
RU Dowell and pmpd w/10 bbls mu	d flush, 5 bbls wtr. 75 sx 35/65 Poz. 3	30 sx Cl G and displace
w/oz.3 bbis wtr. Bumped plug w/	1000 psi. Stage 2 pmpd 10 bbls mud flus	sh, 4 bhls wtr. 100 sv
35/65 Poz. Shut down & dropped	plug, displaced w/34.5 bbls wtr. Bumped	d plug & closed DV tool

w/2500 psi. RD Dowell. Drilled cmt and plug to 5489'. Circ. hole clean. RU Petro Wireline and ran GRL. Perf'd w/3" csg gun, 2 jspf from 5460'-5512'. RD Petro Wireline. TIH w/tapered mill & reamed out DV tool @ 3018'. W/pkr @ 5360' tested annulus to 1000 psi. RU Howco and pmpd 4000 gals 28% HCl and displaced w/50 bbls wtr @ 2850 psi, 4.3 bpm. ISIP 787 psi, 15 minutes 556 psi. RU and swabbed total 190 bbls fluid. Ran 2-3/8" Rice Duolined tbg & set @5429 Tested tbg to 3000 psi & csg to 1000 psi. ND BOP & NU WH. PT annulus to 1080 psi for 45 min. for MIT test, okay. Expelled tbg test plug & returned well to injection.

14. I hereby carrify that the foregoing is true and correct Colinson Title Sr. Drlg. & Prod. Engr. 1-9-92 (This space for Federal or State office use)

Ticle 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraud-lent statements or representations as to any matter wides its jurisdiction.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

Page 1 of 10

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

AUG 1 6 1993

P J KONKEL PHILLIPS PETROLEUM COMPANY 5525 HWY 64 NBU 3004 FARMINGTON NM 87401

REPORT PERIOD (MONTH/YEAR)

DIVISION OF

OIL, GAS & MININGMENDED REPORT [(Highlight Changes)

Well Name	Producing	Well	Days		Production Volumes	
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)
#21-23						
4303713754 06280 41\$ 24E 21	DSCR	POW	29	1374	883	58
#3-44						
4303715031 06280 41S 24E 3	DSCR	POW	30	111	94	2905
#3-14	ncen		7.			
4303715124 06280 41S 24E 3	DSCR	POW	30	67	23	302
4303715126 06280 41S 24E 9	DSCR	POW	30	112	654	17363
#9-14		POW	30	712	857	17303
4303715127 06280 41S 24E 9	DSCR	POW	30	201	315	423
#28-12				1		
4303715336 06280 41S 24E 28	PRDX	POW	29	112	47	2428
#29-12	BBBY		30	ر ــر		172
4303715337 06280 415 24E 29	PRDX	POW	29	56	0	672
#29-32 4303715339 06280 415 24E 29	DSCR	POW	29	1402	287	2224
#29-34	DOCK	POW	01	1702	001	and T
4303715340 06280 415 24E 29	DSCR	Pow	29	757	48	
#30-32						
4303715342 06280 41S 24E 30	DSCR	POW	29	588	1049	3744
#3-12	200		7-	240		7/7
4303715620 06280 41S 24E 3	DSCR	POW	30	268	//	363
#9-34 4303715711 06280 415 24E 9	DSCR	POW	30	45	46	9800
#10-12		/ / / /				1000
4303715712 06280 415 24E 10	DSCR	POW	30	45	23	1088
The second			TOTALS	5/38	3480	41370

Effective July 1, 1993, Phillips Petroleum Company has sold its interest in the COMMENTS:

Ratherford Unit to Mobil Exploration and Producing U.S., Incorporated, P. O. Box

633, Midland, Texas 79702. Mobil assumed operations on July 1, 1993.

hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/11/93

PAT KONKEL Name and Signature:__

______ Telephone Number: 505 599-3452

FORM 11		The state of the s	/ISION (S OF
	Ŧ	H .		

STATE OF UTAH

Dans	1	- 6	1	
Page	1	of	ł	

4	1	/ISION OF OIL, GAS AND MINING						Page 1 of 1	
-		MON	THLY C	OIL AND	GAS DI	ISPOSITIO	N REPOR	T	
	- 126 7	NAME AND					ACCOUNT NUMBI	N7	370
		Sheff Sheff	reld			UIAH	ACCOUNT NUMBI	ER:	
	M -E-I P ob i Dall <i>i</i>	PN A // 219031 18 AS TX 75	307A RENTW 5221-9031		WER G :, Co. 81=	321	RT PERIOD (MONT	Eugen.	(O) (O)
			¥	93100le uj	dated. Lee			·	
ENTITY	PRODUCT	GRAVITY	BEGINNING	VOLUME		DISPOSIT	ions		ENDING
NUMBER		BTU	INVENTORY	PRODUCED	TRANSPORTED	USED ON SITE	FLARED/VENTED	OTHER	INVENTORY
	OIL			177609	177609	0			
05980	GAS			72101	_	5885			
	OIL								
11174	GAS								
	OIL				-				
	GAS								
	OIL								
	GAS						will !	SEIV	RIL
	OIL						N.	-0 4 T 40	. 10
	GAS						3	EP 1 3 19	3
	OIL							VISION (1
	GAS						015. ;	5: 10 G W	,,
	OIL								
	GAS								
		TOTALS		249710	243825	5885			
COMMENT	s: Leas	E NOTE					Sortez, C	etion.	REPORTS
V	VIII-be	COM	DILED /	tNOSE	nt from	nthe C	Portez Co	2. Office	ce
/.	N THE	FUTU	e and complete t				Date:	9/5/9:	3 8 55 22 12
			B Sh				Telephone	Number 244	158 2528
				V V					

(6/93)

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

		-··	
			S. LEASE DESIGNATION & SERIAL NO.
(Do not use this form for propos	ICES AND REPORTS sals to drill or to deepen or plug CATION FOR PERMIT—" for s	back to a different reservoir	16. IF INDIAN. ALLOTTEE OR TRIBE NAME NAVAJO TRIBAL
OIL GAS		. , , , , , , , , , , , , , , , , , , ,	7. UNIT AGREEMENT NAME
NAME OF OPERATOR		1 1 W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	RATHERFORD UNIT
MOBIL OIL CORPORA	TION -	MBS 3	8. FARM OR LEASE NAME
P. O. BOX 633	MIDLAND, TX 79702	SEP 1 5 1993	F. WELL NO.
LOCATION OF WELL (Report location clear) See also space 17 below.) At surface	y and in accordance with any State re	equirements.	10. FIELD AND POOL, OR WILDCAT
		DIVISION OF	GREATER ANETH
At proposed prod. zone		OIL, GAS & MINING	11. SEC., T., R., M., OR BLK, AND SURVEY OR AREA
. APE NO.	15. ELEVATIONS (Show whether	DF, RT, GR, etc.)	12 COUNTY 13. STATE
		· · · · · · · · · · · · · · · · · · ·	SAN JUAN UTAH
Check A	ppropriate Box To Indicate	Nature of Notice, Report or Oth	er Data
NOTICE OF INTENT	TION TO:		ENT REPORT OF:
TEST WATER SHUT-OFF PUI	LL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
	LTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
	ANDON	SHOOTING OR ACIDIZING	* THEMHOOMABA
(Other)	ANGE PLANS	(Other) CHANGE OF (Note: Report results of Completion or Recomm	OPERATOR I multiple completion on Well pletion Report and Log form.)
APPROX. DATE WORK WILL START		DATE OF COMPLETION	
starting any proposed work. If well is pertinent to this work.)	directionally drilled, give subsur	tace locations and measured and true	rtinent dates, including estimated date of vertical depths for all markers and zones nied by a cement verification report
AS OF JULY1, 1993, MC ATTACHED ARE THE INDI	DBIL OIL CORPORATIC	N IS THE OPERATOR OF	THE RATHERFORD UNIT.
I hereby certify that the foregoing is tr			
(This space for Federal or State office		NV. & REG TECHNICIAN	
APPROVED BY	TITLE		_ DATE

DIA GITE OLLO & LITHING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number:	
Field or Unit name: RATHERFORD UNIT	API no
Well location: QQ section towns	hip range county
Effective Date of Transfer: July 1, 1993	
CURRENT OPERATOR	
Transfer approved by:	
Name Ed Hasely	Company Phillips Petroleum Company
Signature & Hasely	Address 5525 HWY. 64
Title Environmental Engineer	Farmington, NM 87401
Oate _October 22, 1993	Phone (505) 599-3460
Comments:	
NEW OPERATOR	
Transfer approved by:	(
Name Shirley Todd	Mobil Exploration & Producing North America
0, , <i>\</i>	Address P 0 Box 633
Title Env. & Reg. Technician	Midland, TX 79702
DateOctober 7, 1993	Phone (915) 688-2585
Comments:	
(State use only) Transfer approved by	Title MANUAR
Approval Date 10-27-93	

Lisha Cordova (801) 538-5340

BEFORE THE OIL AND CAS COMPENVATION COMMISSION OF THE STATE OF UTAH

APPLICATION OF PHILLIPS FETROLEUM

COMPANY FOR THE APPROVAL OF THE

UNIT OFFRATIONS AND PRESSURE MAIN
TENANCE PROGRAM FOR THE RATHERFORD

UNIT IN THE CREATER AMETH AREA,

SAN JUMN COUNTY, UTAH

)

ORDER

This Cause came on for hearing before the Oil and Gas Conservation

Commission of the State of Utan at 10 o'clock a.m. on Wednesday, September 13,

1961, in the Crystal Room, Notel Newhouse, Fourth South at Main Street, Salt

Lake City, Utah, pursuant to notice duly and regularly given. The entire Commission, except Malter G. Mann, was present, Edward W. Clyde presiding. Appearances were made as follows: Cecil C. Mamilton, attorney, on behalf of Phillips

Petroleum Company; Clair M. Senior, attorney, on behalf of Texaco, Inc.; Gordon

Mayberry, attorney, on behalf of Continental Oil Company; R. R. Robison on behalf of Shell Oil Company. Others present included Carl Trawick, on behalf of

United States Ceological Survey; and J. R. White, on behalf of Texaco, Inc.

Evidence in support of the application was introduced by Phillips
Petroleum Company, the applicant and Unit Operator of the Ratherford Unit,
which embraces as the unit area the following described land in San Juan County,
State of Stah, to wit:

TO MSHIP 41 SOUTH, RANGE 23 EAST, SLEM

Section 1: Section 2: Section 11:	มป ช /2 ช /2	Sections 12 and 13: Section 14: Section 24:	All 3/2 All
<u>1</u>	COWNSHIP 41 SOUTH, RAY	OE 24 RAST, SLEM	
Section:3:	SW/4	Sections 15	
Section 4:	S/2	through 21:	All
Sections 5 through	th 9: .ll	Section 22:	MN/4 and
Section 10:	5/2 and 10/4 and 10/2 of 105/4		∷/2 of the SW/4
Section 11:	3/2 of SW/4	Section 23:	M.//4 and M/2 of MB/4
Section 14:	1/2		and W/2 of SW/
		Section 29 and 30:	A11
		Section 31:	11/2
		Section 32:	:/2

2. 3. Robison on behalf of hell bil company stated that (as contemplated by paragraph No. 5 of the Commission's order of February 24, 1959, in Cause No. 17 authorizing the drilling of certain test wells) Shell would sugmit to the Commission, as arbiter, the question as between Shell and Superior Oil Company

of the monetary value, if any, to be attributed to three test wells drilled within the Ratherford Unit area pursuant to said order of February 24, 1959.

No objection to the granting of the application was filed or expressed.

The Shell Oil Company, Texaco, Inc. and Continental Oil Company expressed their support of the application of Phillips Petroleum Company.

FINDINGS OF FACT

The Commission finds that:

- 1. The unitized operation of the Ratherford Unit Area will enable pressure maintenance operations to be initiated and permit such Area to be operated in a manner which will prevent waste, protect correlative rights and result in greater ultimate recovery of oil and gas.
- 2. The Ratherford Unit Agreement has been approved by the various signatory parties as fair, reasonable and acceptable.
- 3. The water injection pressure maintenance program proposed by the applicant appears to be proper and designed to result in the greatest economic recovery of oil and gas to the end that all concerned, including the general public, may realize and enjoy the greatest good from the oil and gas resources of the unitized lends.

ORDBR

THERMFORE, IT IS OFDERED BY THE COMMISSION, and subject to its continuing jurisdiction, that:

- 1. Unit operation of the Ratherford Unit Area under the Batherford Unit Agreement is approved.
- 2. The plan and program of water injection pressure maintenance operations proposed by applicant in its application filed herein should be and the same is hereby approved and the unit operator is authorized to proceed with and under such plan and program as soon as the Ratherford Unit Agreement becomes effective and operative.
- 3. If, at any time or from time to time, it appears necessary or desirable to the unit operator to alter or modify the hereby approved plan of pressure maintenance, any such alteration or modification shall be submitted for

and shall be subject to approval by the Commission or its delegated representative, which approval may be given without notice or hearing, unless otherwise ordered or directed by the Commission.

Dated this 13th day of September, 1961.

Edward W. Clyde, Commissioner presiding

C. R. Henderson, Chairman

M. V. Hatch, Commissioner

C. S. Thomson, Commissioner

Walter G. Mann, Commissioner

Sept 29, 1993

To: Lisha Cordova-Utah Mining Oil & Gasley BLM Farmington, NM 505 599-6355

Here is copy of Ratherford Unit Successor aprotor.

4 pages including this one.

file ratherfold Unit (GC)

ALL SUPY

Navajo Area Office P. O. Box 1060 Gallup, New Mexico 87305-1060

ARES/543

JUL ~ 6 1833

Mr. G. D. Cox Mobil Exploration and Producing North America, Inc. P. O. Box 633 Midland, Texas 79702

Dear Mr. Cox:

Enclosed for your information and use is the approved Designation of Operator between the Phillips Petroleum Company and Mobil Exploration and Producing North America, Inc. for the Ratherford Unit.

Please note that all other concerned parties will be furnished their copy of the approved document.

Sincerely,

A Signermore

ACTING Area Director

Enclosure

Bureau of Land Management, Farmington District Office w/enc. TNN, Director, Minerals Department w/enc.

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF INDIAN AFFAIRS



DESIGNATION OF OPERATOR

Phillips Petroleum Company is, on the records of the Bureau of Indian Affairs, operator of the Ratherford Unit,

AREA OFFICE: Window Rock, Arizona LEASE NO: Attached hereto as Exhibit "A"

070 FARMINGTON, NM

and, pursuant to the terms of the Ratherford Unit Agreement, is resigning as Unit Operator effective July 1, 1993, and hereby designates

NAME: Mobil Exploration and Producing North America Inc., duly elected pursuant to the terms of the Ratherford Unit Agreement,

ADDRESS: P. O. Box 633, Midland, Texas 79702

Attn: G. D. Cox

as Operator and local agent, with full authority to act on behalf of the Ratherford Unit lessees in complying with the terms of all leases and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160 and 25 CFR 211 and 212) with respect to (described acreage to which this designation is applicable):

Attached hereto as Exhibit "A"

Bond coverage under 25 CFR 211, 212 or 225 for lease activities conducted by the above named designated operator is under Bond Number 05202782 (attach copy). Evidence of bonding is required prior to the commencement of operations.

It is understood that this designation of operator does not relieve any lessee of responsibility for compliance with the terms of the leases and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the leases.

In case of default on the part of the designated operator, the lessees will make full and prompt compliance with all regulations, lease terms, stipulations, or orders of the Secretary of the Interior or his representative.

Attached is the appropriate documentation relevant to this document.

The designated operator agrees to promptly notify the authorized officer of any change in the operatorship of said Ratherford Unit.

June /7, 1993

Phillips Petroleum Company

The state of the s

Mobil Exploration and Producing

North America Inc.

June // , 1993

v / / ill

nev-in-Vact B D MARTINY

- Mary Morr-

ACTING

AREA DIRECTOR

DATE

APPROVED BY

TITI

APPROVED PURSUANT, TO SECRETARIAL REDELEGATION ORDER 209 DM 8 AND 230 DM 3.

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and therefore does not require OMB approval.

....

EXHIBIT "A"

ATTACHED TO AND MADE A PART OF DESIGNATION OF SUCCESSOR OPERATOR, RATHERFORD UNIT

EXHIBIT "C"

Revised as of September 29, 1992) SCHEDULE OF TRACT PERCENTAGE PARTICIPATION

Tract Number	Description of Land	Serial Number and Effective Date of Lease	Tract Percentage Participation
1	S/2 Sec. 1, Z/2 SE/4 Sec. 2, E/4 Sec. 11, and all of Sec. 12, T-41-5, R-23-E, S.L.H. San Juan County, Utah	14-20-603-246-A Oct. 5, 1953	11.0652565
. 2	SE/4 and W/2 SW/4 Sec. 5, the irregular SW/4 Sec. 6, and all of Sec. 7 and 8. T-41-S. R-24-E. San Juan County, Utah	14-20-603-368 Oct. 26, 1953	14.4159942
3	SW/4 of Sec. 4, T-41-S, R-24-E, San Juan County, Utah	14-20-603-5446 Sept. 1, 1959	.5763826
4	SE/4 Sec. 4, and NE/4 Sec. 9, T-41-S, R-24-E, San Juan County, Utah	14-20-603-4035 March J, 1958	1.2587779
5	SW/4 of Sec. 3, T-41-S, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5445 Sept. 3, 1959	. 4667669
6	NW/4 of Sec. 9, T-41-5, R-24-E, S.L.M., San Juan County, Utah	14-20-603-5045 Feb. 4, 1959	1.0187043
7	NW/4, W/2 NE/4, and SW/4 Sec. 10, SE/4 Sec. 9, T-41-5, R-24-E, San Juan County, Utah	14-20-603-4043 Feb. 18, 1958	3.5097575
8	SW/4 Sec. 9, T-41-S, R-24-E, S.L.H. San Juan County, Utah	14-20-603-5046 Feb. 4, 1959	1.1141679
9	SE/4 Sec. 10 and S/2 SW/4 Sec. 11 T-41-S, R-24-E, San Juan County, Utah	14-20-603-4037 Feb. 14, 1958	2.6186804
10	All of Sec. 13, E/2 Sec. 14, and E/2 SE/4 and N/2 Sec. 24, T-41-s, R-23-E, S.L.H., San Juan County, Utah	14-20-603-247-A Oct. 5, 1953	10.3108861
11	Sections 17, 18, 19 and 20, T-41-S, R-24-E, San Juan County Utah	14-20-603-353 Oct. 27, 1953	27.3389265
12	Sections 15, 16, 21, and NW/4, and W/2 SW/4 Sec. 22, T-41-5, R-24-E, San Juan County, Utah	14-20-603-355 Oct. 27, 1953	14.2819339
13	W/2 Section 14, T-41-S, R-24-E, San Juan County, Utah	14-20-603-370 Oct. 26,1953	1.8500847
14	N/2 and SE/4, and E/2 SW/4 Sec. 29, NE/4 and E/2 SE/4 and E/2 W/2 irregular Sec. 30, and E/2 NE/4 Sec. 32, T-41-S, R-24-E, San Juan County, Utah	14-20-603-407 Dec. 10, 1953	6.9924969
15	NW/4 Sec. 28, T-41-S, R24-E San Juan County, Utah	14-20-603-409 Dec. 10, 1953	.9416393
16	SE/4 Sec. 3, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6504 July 11, 1961	. \$750254
17	NE/4 Sec. J. T-41-S. R-24-E San Juan County, Utah	14-20-0603-650S July 11, 1961	.5449292
18	NW/4 Sec. J, T-41-S, R-24-E San Juan County, Utah	14-20-0603-6506 July 11, 1961	.5482788
19	NE/4 Sec. 4, T-41-S, R24-E San Juan County, Utah	14-20-0603-7171 June 11, 1962	.4720628
20	E/2 NW/4 Sec. 4, T-41-S, R-24-E San Juan County, Utah	14-20-0603-7172 June 11, 1962	.0992482

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

[]	e original/copy to: Well File (Location) SecTwpRng (API No.)	(Return Date) _ (To - Initials) _	XXX Other OPERATOR CHANGE
1.	Date of Phone Call: 10-6-93	- Time: _	9:30
2.	DOGM Employee (name)L Talked to: Name of (Company/Organization)	(Initiated Call []) -	
3.	Topic of Conversation: OPERATOR OF MOBIL OIL CORPORATION AS PER	WANTS THE WELLS SET UP	- MEPNA AS PER BIA APPROVAL
4.	Highlights of Conversation: MR. COX CONFIRMED THAT THE WELL PER BIA APPROVAL, ALSO CONFIRM BE HANDLED OUT OF THEIR CORTEZ MEPNA— PO DRAWER G CORTEZ, CO 81321 (303)565-2212 *ADDRESS CHANGE AFFECTS ALL WERE REPORTED OUT OF DALLAS (MCELMO	LS SHOULD BE SET UNDER ED THAT PRODUCTION & DE OFFICE RATHER THAN DAY LLS CURRENTLY OPERATOR	ACCOUNT N7370/MEPNA AS ESPOSITION REPORTS WILL NOW LLAS.
		•	

	OR CHANGE HO			·	•		Routing:
				regarding this change. 'A if item is not appli			2- DEST S8-KIA 3- VLC 4-RJK
			sold)	□ Designation o□ Operator Name		у	5-III-00 6-Pix
The op	erator of th	ne well(s)	listed below	has changed (EFFE	ECTIVE DATE:	7-1-93)
TO (ne	w operator) (address)	CORTEZ, COLEN COX	A R G CO 81321 (915)688-2114 O3)565-2212 O. N7370		er operator) (address)	FARMINGTO PAT KONKE phone (5	PETROLEUM COMPANY 64 NBU 3004 N, NM 87401 L 05) 599-3452 noN 0772(A)
) (attach addi			*RATHERFORD UNIT			
Name:	**SEE_ATTAC	HED**	_ API: <u>43:037</u>	<i>JS74</i> /Entity: Entity:	SecTv	vpRng	_ Lease Type:
Name:			API:	Entity:	SecTv	vpRng	Lease Type:
Name:			API:		SecIv	vpRng	_ Lease lype:
Name:			API:	Entity:	SecTw	vpRng	_ Lease Type:
Name:			API:	Entity:	SecTv	vpRng	_ Lease Type:
Name:			API:	Entity:	SecTw	vpRng	_ Lease Type:
Name:			_ API:	Entity:	SecTw	vpRng	_ Lease Type:
				er <u>legal</u> document feg.8-20-93)(6/92 fied.1 <u>legal</u> documentation fec'd 9-14-93)			
r/A 3.	The Departmoperating a	ment of Co any wells	ommerce has be in Utah. Is	en contacted if to company register	he new oper ed with the	ator above state? (e is not currently yes/no) If
	comments s	ection of	this form.	NLY) The BLM has Form to this re Management review o completion of st	of Federa	l and Ind	ian well operator
<u>Lec</u> 5.	Changes hav listed abov	ve been er ve. (026 w	itered in the	o completion of st Oil and Gas Infor ພາພ່ຣ 10-26-437	mation Syst	em (Wang/I	BM) for each well
Jec 6.	Cardex file	e has been	updated for	each well listed a	bove. (026 w	ells 10-6-93)	(wiw's 10-26-93)
Jec. 7.	Well file 1	labels hav	e been update	d for each well li	sted above.	(06.6 wells 1	10-6-93) (WIW'S 10-26-9.
n	101 013111	de lon to	State Lands a	e monthly "Operatond the Tax Commiss	1011. (10-0-73	?/	
<u>lec</u> 9.	A folder ha placed ther	as been se e for ref	et up for the erence during	Operator Change f	file, and a essing of th	copy of t ne original	his page has been I documents.

PERATOR	CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.
,	REVIEH
	(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/po) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
	State Lands and the Tax Commission have been notified through normal procedures of entity changes.
30ND VE	RIFICATION (Fee wells only)
Pel/1.	(Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2.	A copy of this form has been placed in the new and former operators' bond files.
3.	The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19
LEASE I	INTEREST OHNER NOTIFICATION RESPONSIBILITY
D(5)3	(Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
<i>IJ</i> / 2.	Copies of documents have been sent to State Lands for changes involving State leases.
TLMING	
<u>/1.</u>	All attachments to this form have been microfilmed. Date:
FILING	
£1.	Copies of all attachments to this form have been filed in each well file.
<u> </u>	The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
COMMENT	TS .
931	cole BIA/Blm Approved 7-9-93.
-	

E71/34-35

	,				
Č	191121	43-037-15741	14-20-603-353	SEC. 19, T41S, R24E	
4	19-22	43-037-31046	14-20-603-353		SE/NW 1840' FNL; 1980' FWL
	19W-23		14-20-603-353		NE/SW 2080' FSL; 1860' FWL
ч	19-31 19-32	43-037-31047 43-037-15743	14-20-603-353	SEC. 19, T41S, R24E	
	19-33	43-037-13743	14-20-603-353 14-20-603-353	SEC. 19, T41S, R24E	1000 122
	19-34	43-037-15744	14-20-603-353	SEC. 19, T41S, R24E SEC. 19, T41S, R24E	NW/SE 1980' FSL; 1980' FEL SW/SE 660' FSL; 1980' FEL
	19W-41	43-037-15745	14-20-603-353	SEC. 19, T415, R24E	
	19-42	43-037-30916	14-20-603-353	SEC. 19, T41S, R24E	
ĕ	19W-43	43-037-16420	14-20-603-353	SEC. 19, T41S, R24E	
	19-44	43-037-31081	14-20-603-353	SEC. 19, T41S, R24E	
	19-97	43-037-31596	14-20-603-353	SEC. 19, T41S, R24E	
٦,	<u>20-11</u>	43-037-31049	14-20-603-353	SEC. 20, T41S, R24E	
	20-12	43-037-15746	14-20-603-353	SEC. 20, T41S, R24E	1980' FNL, 660' FWL
	20-13 20-14	43-037-30917	14-20-603-353	SEC. 20, T41S, R24E	
	20-14	43-037-15747 43-037-16423	14-20-603-353	SEC. 20, T41S, R24E	
	20-22	43-037-10423	14-20-603-353 14-20-603-353	SEC. 20, T41S, R24E	
		43-037-15748	14-20-603-353	SEC. 20, T41S, R24E SEC. 20, T41S, R24E	SE/NW 2020' FNL; 2090' FWL NW/SW 2080; 2120' FWL
	20-24	43-037-30918	14-20-603-353	SEC. 20, T415, R24E	
4	20-31	43-037-31050	14-20-603-353	SEC. 20, T41S, R24E	NW/NE 660' FNL; 1880' FEL
	20-32	43-037-15749	14-20-603-353	SEC. 20, T41S, R24E	
	20-33	43-037-30931	14-20-603-353	SEC. 20, T41S, R24E	
샥	20-34	43-037-15750	14-20-603-353	SEC. 20, T41S, R24E	
	20W-41	43-037-15751	14-20-603-353	SEC. 20, T41S, R24E	NE/NE 660' FNL; 660' FEL
	20-42	43-037-31051	14-20-603-353	SEC. 20, T41S, R24E	
4	20W-43*J	43-037-16424	14-20-603-353	SEC. 20, T41S, R24E	
	20-44	43-037-30915	14-20-603-353	SEC. 20, T41S, R24E	
	20-66	43-037-31592	14-20-603-353	SEC. 20, T41S, R24E	SW/NW 1221' FWL; 1369' FNL
	21-11 21-12	43-037-31052	14-20-603-355	SEC. 21, T41S, R24E	
	21-12 21-13	43-037-15752	14-20-603-355	SEC. 21, T41S, R24E	2080' FNL; 660' FWL
	21-13 21-14	43-037-30921	14-20-603-355	SEC. 21, T41S, R24E	
		43-037-15753 43-037-16425	14-20-603-355 14-20-603-355	SEC. 21, T41S, R24E	
J	21-32	43-037-10425	14-20-603-355	SEC. 21, T41S, R24E SEC. 21, T41S, R24E	
-	21-33	NA	14-20-603-355	SEC. 21, 1415, R24E	SW/NE 1880' FNL; 1980' FEL 2000 FSL; 1860' FEL
J	21-34	43-037-15756	14-20-603-355	SEC. 21, T41S, R24E	ISW/SE 660' FSL: 1980' FEL
	21W-41	43-037-16426	14-20-603-355	SEC. 21, T41S, R24E	660' FNL; 810' FEL
		43-037-16427	14-20-603-355		NE/NE 1980' FSL; 660' FEL
	24-11 24W-21	43-037-15861	14-20-603-247A		
		43-037-16429 43-037-16430	14-20-603-247	SEC. 24, T41S, R24E	
F	7 19 1 1 7 N	43-037-16430 43-037-15862	14-20-603-247 14-20-603-247A	SEC. 24, T41S, R24E	
	24-32	43-037-13602	14-20-603-247A	SEC. 24, 1415, R24E	NW/NE 560' FNL; 1830' FEL
	4-41		14-20-603-247A		SW/NE 2121' FNL; 1846' FEL NE/NE 660' FNL; 710' FEL
	4W-42	43-037-15863	14-20-603-247A		660' FSL; 1980' FNL
F	8-11	43-037-3044 6	14-20-603-409	SEC. 28, T415, R24E	NW/NW 520' FNL; 620' FWL
	8-12	43-037-15336	14-20-603-409B	SEC. 28, T41S, R24E	SW/SE/NW 2121' FNL; 623' FWL
1	9-11	43-037-31053	14-20-603-407	SEC. 29, T41S, R24E	NW/NW 770' FNL; 585' FWL
4	29W-21	43-037-16432	14-20-603-407	SEC. 29, T41S, R24E	NE/NW 667' FNL; 2122' FWL
乜	9-22	43-037-31082	14-20-603-407	SEC. 29, T41S, R24E	SE/NW 2130' FNL; 1370' FWL
		43-037-15338	14-20-603-407	SEC. 29, T41S, R24E	NE/SW 1846' FSL; 1832' FWL
1	9-31	43-037-30914	14-20-603-407	SEC. 29, T41S, R24E	NW/NE 700' FNL; 2140' FEL
	9-32	43-037-15339	14-20-603-407	SEC. 29, T41S, R24E	1951' FNL; 1755' FEL
	9-33	43-037-30932	14-20-603-407	SEC. 29, T41S, R24E	NW/SE 1860' FSL; 1820' FEL
	9-34	43-037-15340	14-20-603-407	SEC. 29, T41S, R24E	817 FSL; 2096' FEL
	9W-41 ∮ 9W-42	43-037-16433	14-20-603-407	SEC. 29, T41S, R24E	557' FNL; 591' FEL
		43-037-30937 43-037-16434	14-20-603-407 14-20-603-407	SEC. 29, T41S, R24E	SE/NE 1850' FNL; 660' FEL
1	0-21W	43-037-16435	14-20-603-407	SEC. 29, T41S, R24E	NE/SE 1980' FSL; 660' FEL
		43-037-15342	14-20-603-407	SEC. 30, T41S, R24E SEC. 30, T41S, R24E	660' FNL; 1920' FWL SW/NE 1975' FNL; 2010' FEL
-		43-037-15343	14-20-603-407		NE/NE 660' FNL; 660' FEL
	-34	NA 43037/57//			NA SWSE 660'FSL 1980 FEL
1	2-43	43-307-31202	14-20-603-246		2100' FSL;660 FEL
u	2W31	43-037-15847	14-20-603-246		661' FNL;, 1981' FEL
h	3W24	43-037-15853	14-20-603-247		SE/SW 660' FSL;3300'FEL
1	5W23***	43-037-16412	14-20-603-355		2140' FSL;1820' FWL
~	7-24	43-037-31044	14-20-603-353	SEC. 17, T41S, R24E	SE/SW 720' FSL; 1980' FWL
77	,8-13	43-037-15734	14-20-603-353	SEC. 18, T41S, R24E	NW/NW 1980' FSL;500' FWL
		43-037-15736	14-20-603-353		SW/NE2140'FNL;1830' FEL
	0-68	43-037-31591	14-20-603-353		NW/SW 1276' FWL;1615' FSL
	1-23	43-037-13754	14-20-603-355		NE/SW 1740 FSL 1740 FWL
4	8W21	43-037 16431	14-20-603-409	SEC.29, T41S, R24E	660' FNL; 2022' FWL

-PAID

-PAID -PAID -PAID Form 3160-5 (June 1990)

TYPE OF SUBMISSION

Notice of Intent

X Subsequent Report

Final Abandonment Notice

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No. 14-20-603-353

| 14-20

TYPE OF ACTION

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

6. If Indian, Allottee or Tribe Name

Change of Plans

New Construction

Water Shut-Off

Non-Routine Fracturing

Use "APPLICATION FOR PERMIT - " for such proposals	NAVAJO TRIBAL
SUBMIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation RATHERFORD UNIT
Type of Well Oil Gas Well Well Other 2. Name of Operator MOBIL EXPLORATION & PRODUCING US, AS AGENT FOR MEPNA	8. Well Name and No. RATHERFORD UNIT 19W-21
3. Address and Telephone No. P. O. BOX 633, MIDLAND, TX 79702 (915) 688-2585	9. API Well No. 43-037-15741 10. Field and Pool, or exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	GREATER ANETH
660' FNL, 1860' FWL; SEC 19, T41S, R24E	11. County or Parish, State
	SAN JUAN, UT
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, F	REPORT, OR OTHER DATA

	Altering Casing	Conversion to Injection
	Other ACIDIZE	Dispose Water
		(Note: Report results of multiple completion on Well
		Completion or Recompletion Report and Log form.)
3. Describe Proposed or Completed Operations (Clearly state all	pertinent details, and give pertinent dates, including estimated date of	f starting any proposed work. If well is directionally drilled,
	ical depths for all markers and zones pertinent to this work.)*	

Abandonment

Recompletion

Plugging Back

Casing Repair

09/20/93 MIRU. RIH W/COIL TBG & WASH F/5429-5526. CIRC & COND. HOLE. ACDZ W/2000 GALS 15% HCL ACROSS PERF INTERVALS 5460-72', 5476-80', 5484-88', &5502-12'. FLOW BACK LOAD & RETURN WELL TO INJECTION. RDMO.

4. I hereby certify that the foregoing is true and correct Signed Shirl	Title ENV. & REG. TECHNICIAN	Del 04/26/94
(This space for Federal or State office use) Approved by Conditions of approval, if any:	Title	nuctar credit.

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Division of Oil, Gas and Mining PHONE CONVERSATION DOCUMENTATION FORM

(Location) S	ecTwpRr	(Return ng (To - In	nse n Date) itials)	XXX Other OPER NM CHG
1. Date of Pho	one Call: 8 -3	9-95	Time:	
Talked to:	J. FIRTH	(Initiated (Call 🗱) – Pho	(Initiated Call [])
3. Topic of Con	nversation:	IEPNA/N7370		
OPERATOR NAMERI	AME IS BEING CHA	L EXPLOR & PROD.	A (MOBIL EXP	PLORATION AND PRODUCING UNGE IS BEING DONE AT UGST THE GENERAL PUBLIC. E ATTACHED).

•				•
	on of Oil, Gas and Mining TOR CHANGE HORKSHEET			Routing:
	all documentation received by the division regardless and listed item when completed. Write N/A if		able.	2-LWD 8-SJ 3-D'D 9-FILE 4-VLC
	ignation of Operator (well sold) Image of Operator Image of Opera	Designation of Operator Name (5-RJF V 6-LWP
The o	perator of the well(s) listed below has	changed (EFFEC	TIVE DATE: 8-2-9	5
TO (ne	ew operator) MOBIL EXPLOR & PROD (address) C/O MOBIL OIL CORP PO DRAWER G CORTEZ CO 81321 phone (303) 564-5212 account no. N7370	FROM (former	phone (3	IL OIL CORP
He11(:	S) (attach additional page if needed):			
Name: Name: Name: Name:	** SEE ATTACHED ** API:	Entity: Entity: Entity: Entity: Entity:	SecTwpRng SecTwpRng SecTwpRng SecTwpRng SecTwpRng	Lease Type: Lease Type: Lease Type: Lease Type: Lease Type:
N/A 2.	(Rule R615-8-10) Sundry or other <u>legal</u> operator (Attach to this form). (Rule R615-8-10), Sundry or other <u>legal</u> (Attach to this form).	<u>l</u> documentation	has been received	from <u>new</u> operator
<i>№</i> 3.	The Department of Commerce has been concernating any wells in Utah. Is comyes, show company file number:	pany registered	new operator above with the state?	e is not currently (yes/no) If
NA 4.	(For Indian and Federal Hells ONLY) (attach Telephone Documentation Form comments section of this form. Mana changes should take place prior to comments.)	gement review o	ort). Make note of Federal and Ind	of BLM status in I <mark>ian</mark> well operator
	Changes should take place prior to complete the changes have been entered in the Oil solisted above. $(8-3-95)$		•	IBM) for each well
LW 6.	Cardex file has been updated for each	well listed abo	ve. 8-31, 95-	
W 7.	Well file labels have been updated for	each well list	ed above. 9-18-90	_
Lec 8.	Changes have been included on the mon for distribution to State Lands and th	thly "Operator, e Tax Commissio	Address, and Acco	ount Changes" memo
Lico.	A folder has been set up for the Oper placed there for reference during rout	ator Change fil	e, and a copy of t	his page has been

OPERATOR CHANGE WORKSHEET (CONTINUED) Initial each item when completed. Write N/A if item is not applicable.
ENTITY REVIEW
Lec 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. We entity changes made? (yes/no) (If entity assignments were changed, attach copies form 6, Entity Action Form).
NA 2. State Lands and the Tax Commission have been notified through normal procedures entity changes.
BOND VERIFICATION (Fee wells only) & No Fee Leese Wells at this time!
NA/1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letted ated 19
LEASE INTEREST OHNER NOTIFICATION RESPONSIBILITY
1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify and person with an interest in such lease of the change of operator. Documentation of such lease of the change of operator.
2. Copies of documents have been sent to State Lands for changes involving State leases .
FILMING
1. All attachments to this form have been microfilmed. Date: October 4 1995
FILING
1. Copies of all attachments to this form have been filed in each well file.
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file.
950803 WIC F5/Not necessary!
IE71/34-35

STATE OF UTAH INVENTORY OF INJECTION WELLS

OPERA		API NO.	WELL *****	TNS	RGE ***	SE **	WELLTYPE *****	INDIAN COUNT
/	MOBIL	43-037-15722	16W23	41S	24E	16	INJW	Y
/	MOBIL	43-037-15722	16W21	41S	24E	16	INJW	Y
	MOBIL	43-037-16416	17W21	41S	24E	17	INJW	Y
	MOBIL	43-037-15726	17W12	415	24E	17	INJW	Y
2'	MOBIL	43-037-15731	17W41	41S	24E	17	INJW	Ÿ
- /	MOBIL	43-037-16417	17W43	41S	24E	17	INJW	Ÿ
/	MOBIL	43-037-15728	17W23	41S	24E	17	INJW	Ÿ
MEPNA (MOBIL	43-037-15730	17W34	41S	24E	17	INJW	Y
	MOBIL	43-037-15729	17W32	41S	24E	17	INJW	Y
MEPNA (MOBIL	43-037-15727	17W14	41S	24E	17	INJW	Y
✓MEPNA (MOBIL	43-037-31153	18W12	41S	24E	18	INJW	Y
MEPNA (MOBIL	43-037-15737	18W34	41S	24E	18	INJW	Y
MEPNA (MOBIL	43-037-15736	18W32	41S	24E	18	INJW	Y
MEPNA (MOBIL	43-037-30244	18W23	41S	24E	18	INJW	Y
•	MOBIL	43-037-15735	18W14	41S	24E	18	INJW	Y
	MOBIL	43-037-16418	18W21	41S	24E	18	INJW	Y
•	MOBIL	43-037-15738	18W41	41S	24E	18	INJW ;	Y
\ \	MOBIL	43-037-15741	19W21	41S	24E	19	INJW	Y
- ,	MOBIL	43-037-15742	19W23	41S	24E	19	INJW	Y
,	MOBIL	43-037-15745	19W41	41S	24E	19	INJW	Y
- '	MOBIL	43-037-16420	19W43	41S	24E	19	INJW	Y
	MOBIL	43-037-15748	20W23	41S	24E	20	INJW	Y
, ,	MOBIL	43-037-15751	20W41	41S	24E	20	INJW	Y
/	MOBIL	43-037-16423	20W21	41S	24E	20	INJW	Y
,	MOBIL	43-037-16424	20W43	41S	24E	20	INJW	Y
	MOBIL	43-037-16427	21W43	41S	24E	21	INJW	Y
· /	MOBIL	43-037-16425	21W21	41S	24E	21	INJW	Y
	MOBIL	43-037-16431	28W21	41S	24E	28	INJI	Y
	MOBIL	43-037-16433	29W41	41S	24E	29	INJW	Y
_ \	MOBIL	43-037-16432	29W21	41S	24E	29	INJW	Y
	MOBIL	43-037-15338	29W23	41S	24E	29	INJI	Y
	MOBIL	43-037-16434	29W43	41S	24E	29	INJW	Y
	MOBIL	43-037-15343	30-41	41S	24E	30	INJW	<u>Y</u>
✓MEPNA (MOBIL	43-037-16435	30W21	41S	24E	30	INJI	••

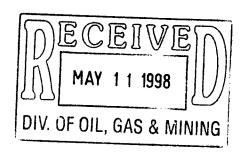
Form 3160-5

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

	11 Of The miletain	
une 1990) — — — — — — — — — — — — — — — — — — —	LAND MANAGEMENT	5. Lease Designation and Serial No.
Do not use this form for proposals to drill	ID REPORTS ON WELLS or to deepen or reentry to a different reservoir. PERMIT - " for such proposals	14-20-603-353 6. If Indian, Allottee or Tribe Name NAVAJO TRIBAL
	IN TRIPLICATE	7. If Unit or CA, Agreement Designation RATHERFORD UNIT
1. Type of Well ☐ Oil Well ☐ Well ☐ Well ☐ Other 2. Name of Operator MOBIL PRODUCING TX & N	M INC.*	8. Well Name and No. RATHERFORD 19W-21
*MOBIL EXPLORATION & P	RODUCING US INC. AS AGENT FOR MPTM	9. API Well No.
3. Address and Telephone No. P.O. Box 633, Midland TX 79702	(915) 688-2585	43-037-15741 10. Field and Pool, or exploratory Area
4. Location of Well (Pootage, Sec., T., R., M., or Survey D	oscription)	GREATER ANETH
SEC. 19, T41S, R24E (NE/NW) 660' FNL & 1860' FWL		11. County or Parish, State SAN JUAN UT
12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTIO	N
Notice of Intent	Abandonment Recompletion	Change of Plans New Construction
Subsequent Report	Plugging Back Casing Repair	Non-Routine Fracturing Water Shut-Off
Final Abandonment Notice	Altering Casing X Other MIT TESTS	Conversion to Injection Dispose Water (Note: Report results of multiple completion on Well- Completion or Recompletion Report and Log form.

SEE ATTACHED MIT AND CHART.



4. I hereby certiff that the foregoing is true and correct Signed	Title	SHIRLEY HOUCHINS/ENV & REG TECH	Date 5-13-98
(This space for Federal or State office use) Approved by Conditions of approval, if any:	_ Title		Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ANNULAR PRESSURE TEST (Mechanical Integrity Test)

Operator Mobil E. & P., In	c r	Date of Test3-2	4-97	
Well Name Ru # 19W-21		EPA Permit No		
Location Sec. 19, T41S-R2	4E	Tribal Lease No	4.20-603-353	
State and County San Juan C	ounty. Ütah			
Continuous Recorder? YES Bradenhead Opened? YES	NO Pressure C	auge? YES NO		
<u>TIME</u>	ANNULUS PRESSUI	RE, psi TUBI	NG PRESSURE, psi	
2:30		+ -	3000	
2:35	1165		000	
2:40	1160	<u>+3</u>	2000	
2:50	1160	+	3000	
3:00	1160		3000	
MAX. INJECTION PRESSURE MAX. ALLOWABLE PRESSURE REMARKS: Passed? Failed? Passed M. I.T.	RE CHANGE:	`	RESSURE X 0.05) (40CFR§144.21(c)(6)).	
Fritz Johnson COMPANY REPRESENTATIV Melvin Capitan Jr. INSPECTOR: (Print and Si	Tyl GX	<u></u>	3-24-97 DATE 3-24-97 DATE	

U.S. ENVIRONMENTAL PROTECTION AGENCY

NOTICE OF INSPECTION

Address (EPA Regional Office)

Region 9

Environmental Inspection Agency 215 Fremont Street (W-6-2) San Francisco, CA 94105 Inspection Contractor

THE XALANUS CROURX INC.

Firm To Be Inspected Mobil E.&P., Inc. P.O Box Dawer G Cortez, Co

81321

Date 3-21-97

Hour 12:30 PM

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300 f et seg.).

Reason For Inspection

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable permit or rule.

RU# 17W-23, WATER INJECTION WELL, M.I.T. - PASSED

RU# 17W-34, WATER INJECTION WELL, M.I.T. - PASSED

RU#17W-32, WATER INJECTION WELL, M.I.T. - PASSED

RU#17W-41, WATER INJECTION WELL, M.I.T. - PASSED

RU#18W-14, WATER INJECTION WELL, M.I.T. - PASSED

RU#18W-32, WATER INJECTION WELL, M.I.T. - PASSED

RU#18W-34, WATER INJECTION WELL, M.I.T. - FAILED

RU#18W-34, WATER INJECTION WELL, M.I.T. - PASSED

RU#19W-21, WATER INJECTION WELL, M.I.T. - PASSED

Section 1445(b) of the SDWA (42 U.S.C. §300 j-4 (b) is quoted on the reverse of this form.

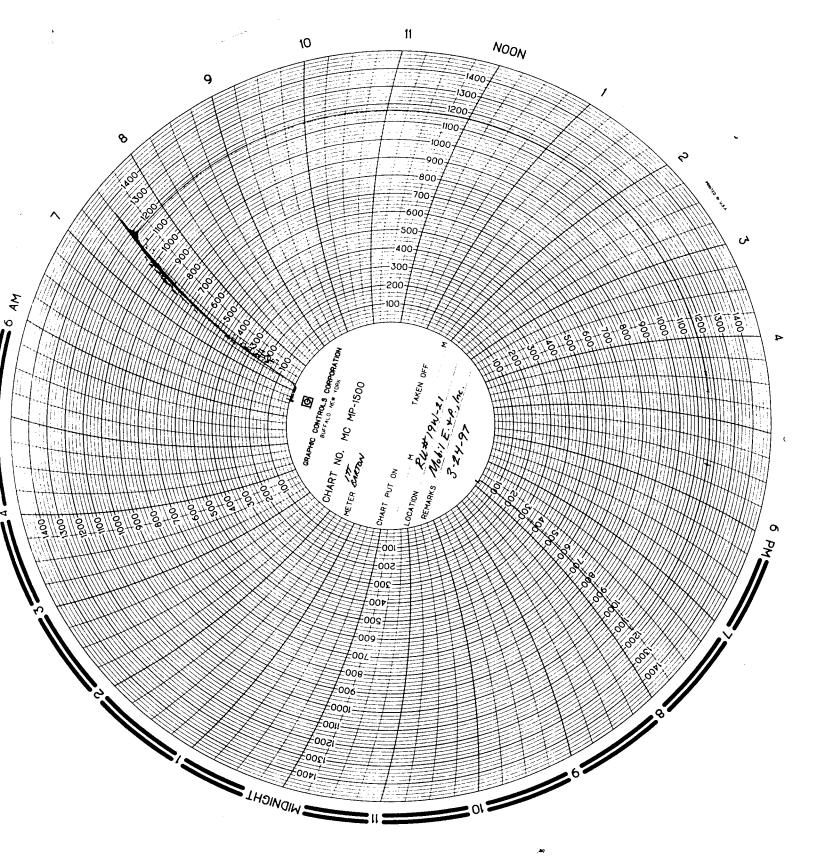
Receipt of this Notice of Inspection is hereby acknowledged.

Firm Representative

Date

3-21-97

Inspector At /n.



ExxonMobil Production Compa

U.S. West P.O. Box 4358 Houston, Texas 77210-4358

June 27, 2001



Mr. Jim Thompson State of Utah, Division of Oil, Gas and Mining 1549 West North Temple Suite 1210 Salt Lake City, UT 84114-5801

Change of Name – Mobil Oil Corporation to ExxonMobil Oil Corporation

Dear Mr. Thompson

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

A copy of the Certification, Bond Rider and a list of wells are attached.

If you have any questions please feel free to call Joel Talavera at 713-431-1010

Charlotte H. Warper

Charlotte H. Harper Permitting Supervisor

ExxonMobil Production Company a division of Exxon Mobil Corporation, acting for ExxonMobil Oil Corporation

FOREVED

POLICIAS AND MINING

2 9 2001



United States Department of the Interior

BUTE AND INDIAN AFFAIRS NAVAJO REGION

P.O. Box 1060 Gallup, New Mexico 87305-1060

AUG 3 0 2001

RRES/543

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Charlotte H. Harper, Permitting Supervisor Exxon Mobil Production Company U.S. West P. O. Box 4358 Houston, TX 77210-4358

Dear Ms. Harper:

This is to acknowledge receipt of your company's name change from Mobil Oil Corporation to ExxonMobil Oil Corporation effective June 1, 2001. The receipt of documents includes the Name Change Certification, current listing of Officers and Directors, Listing of Leases, Financial Statement, filing fees of \$75.00 and a copy of the Rider for Bond Number 8027 31 97. There are no other changes.

Please note that we will provide copies of these documents to other concerned parties. If you need further assistance, you may contact Ms. Bertha Spencer, Realty Specialist, at (928) 871-5938.

Sincerely,

CENNI DENETSONE

Regional Realty Officer

cc; BLM, Farmington Field Office w/enclosures Navajo Nation Minerals Office, Attn: Mr. Akhtar Zaman, Director/w enclosures

indiana and	MERERAL RESOURCES ADM J
	O & G INSPECT YEAM
	ALL TEAM LEADERS LAND RESOURCES ENVIRORMENT FILES

ExxonMobil Production Co--pany U.S. West

P.O. Box 4358 Houston, Texas 77210-4358

June 27, 2001

Certified Mail
Return Receipt Requested

Ms. Genni Denetsone United States Department of the Interior Bureau of Indian Affairs, Navajo Region Real Estate Services P. O. Box 1060 Gallup, New Mexico 87305-1060 Mail Code 543 EXONMobil
Production

DECEUVE

JUL # 477

JUL # 477

Navajo Region Office
RES - Minerals Section

Change of Name —
Mobil Oil Corporation to
ExxonMobil Oil Corporation

Dear Ms. Denetsone:

Effective June 1, 2001, Mobil Oil Corporation (MOC) changed its name to ExxonMobil Oil Corporation (EMOC). This was a name change only; EMOC is the same corporation as Mobil Oil Corporation, but with a new name. No facility or other asset was transferred from one corporation to another by virtue of the name change. Specifically, EMOC will remain the owner and operator of its existing exploration and production oil and gas properties and facilities, as well as relevant permits.

There is no change to the name of Exxon Mobil Corporation, the ultimate shareholder of EMOC.

Please note the change of name of MOC to ExxonMobil Oil Corporation in your records pertaining to any MOC permits.

The Federal Identification Number for MOC (13-5401570) will remain the same for EMOC.

Attached is the Name Change Certification, Current listing of Officers and Directors, Filing Fee of \$75/-, Listing of Leases, Financial Statement and a copy of the Rider for Bond number 8027 31 97. The original Bond Rider has been sent to Ms. Barbar Davis at your Washington Office.

If you have any questions, please contact Alex Correa at (713) 431-1012.

Very truly yours,

Charlotte H. Harper Permitting Supervisor

Attachments

JUL 0 5 2001

NAVAJO REGION OFFICE
BRANCH OF REAL ESTATE SERVICES

ExxonMobil Production Company a division of Exxon Mobil Corporation, acting for ExxonMobil Oil Corporation

NOTE: Check forwarded to Ella Issu.

arbette U. Harper

P. U4

Bureau of Indian Affairs
Navajo Region Office
Attn: RRES - Mineral and Mining Section
P.O. Box 1060
Gallup, New Mexico 87305-1060

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140	ent	10	m	•	n	٠
uc	21 I L	C		c	H	4

The current lis	ting of officers and New Yo	director of ExxonMobil Oil Corporation ork (State) is as follows:	(Name of
President Vice President Secretary Treasure	F.A. Risch K.T. Koonce F.L. Reid B.A. Maher	Address 5959 Las Colinas Blvd. Irving.	002 TX 75039
Name <u>B.A. Ma</u>	onson ownsend her	Address 5959 Las Colinas Blvd. Irving, TX Sincerely, Alex Correa	75039 75039 75039
and in ti	he custody of corpo	rmation pertaining toExxonMobil Oil Corporation (Corporation and accounts covering business for the State of the records and accounts covering business for the State of the State of the Service Company (Agent), Phone: (1 (800) 927-9) The Center, 201 South Main Street, Salt Lake City, Utah 84111-2218 Signature AGENT AND HITTENEY IN FACT Title	<u>Utah</u>

CERTIFICATION

I, the undersigned Assistant Secretary of ExxonMobil Oil Corporation. (formerly Mobil Oil Corporation), a corporation organized and existing under the laws of the State of New York, United States of America, DO HEREBY CERTIFY, That, the following is a true and exact copy of the resolutions adopted by the Board of Directors on May 22, 2001:

CHANGE OF COMPANY NAME

WHEREAS, the undersigned Directors of the Corporation deem it to be in the best interest of the Corporation to amend the Certificate of Incorporation of the Corporation to change the name and principal office of the Corporation:

NOW THEREFORE BE IT RESOLVED, That Article 1st relating to the corporate name is hereby amended to read as follows:

"1st The corporate name of said Company shall be,

ExxonMobil Oil Corporation",

FURTHER RESOLVED, That the amendment of the Corporation's Certificate of Incorporation referred to in the preceding resolutions be submitted to the sole shareholder of the Corporation entitled to vote thereon for its approval and, if such shareholder gives its written consent, pursuant to Section 803 of the Business Corporation Law of the State of New York, approving such amendment, the proper officers of the Corporation be, and they hereby are, authorized to execute in the name of the Corporation the Certificate of Amendment of Certificate of Incorporation, in the form attached hereto;

FURTHER RESOLVED, That the proper officers of the Corporation be and they hereby are authorized and directed to deliver, file and record in its behalf, the Certificate of Amendment of Certificate of Incorporation, and to take such action as may be deemed necessary or advisable to confirm and make effective in all respects the change of this Company's name to EXXONMOBIL OIL CORPORATION.

WITNESS, my hand and the seal of the Corporation at Irving, Texas, this 8th day of June, 2001.

Assistant Secretary

COUNTY OF DALLAS STATE OF TEXAS

UNITED STATES OF AMERICA

Sworn to and subscribed before me at Irving, Texas, U. S. A. on this the 8th day of June, 2001.

fanice M. Phillip Notary Public

LISTING OF LEASES OF MOBIL OIL CORPORATION

Lease Number

- 1) 14-20-0603-6504
- 2) 14-20-0603-6505
- 3) 14-20-0603-6506
- 4) 14-20-0603-6508
- 5) 14-20-0603-6509
- 6) 14-20-0603-6510
- 7) 14-20-0603-7171
- 8) 14-20-0603-7172A
- 9) 14-20-600-3530
- 10) 14-20-603-359
- 11) 14-20-603-368
- 12) 14-20-603-370
- 13) 14-20-603-370A
- 14-20-603-372 14)
- 15) 14-20-603-372A
- 16) 14-20-603-4495
- 17) 14-20-603-5447 18)
- 14-20-603-5448
- 19) 14-20-603-5449
- 20) 14-20-603-5450
- 21) 14-20-603-5451

6/1/01

CHUBB GROUP OF INSURANCE COMPANIES

Augustania and Shoth, Suite 1900, Mouston Texas, 77027-3301 ¹⁴ тыл. (115) 227-4600 г. Febsimian (713) 297-4750

NW Bond

FEDERAL INSURANCE COMPANY RIDER to be attached to and form a part of

BOND NO 8027 31 97 wherein Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. is named as Principal and

FEDERAL INSURANCE COMPANY AS SURETY,

in favor of United States of America, Department of the Interior **Bureau of Indian Affairs**

in the amount of \$150,000.00 bond date: 11/01/65

IT IS HEREBY UNDERSTOOD AND AGREED THAT effective June 1, 2001 the name of the Principal is changed

Mobil Oil Corporation and Mobil Exploration and Producing U.S., Inc. FROM:

TO ExxonMobil Oil Corporation

All other terms and conditions of this Bond are unchanged.

Signed, sealed and dated this 12th of June, 2001.

ExxonMobil Qil Corporation

FEDERAL INSURANCE COMPANY

Mary Pierson, Attorney-in-fact



POWER OF ATTORNEY

Federal Insurance Company Vigilant Insurance Company **Pacific Indemnity Company**

Attn.: Surety Department 15 Mountain View Road Warren, NJ 07059

Know All by These Presents, That FEDERAL INSURANCE COMPANY, an Indiana corporation, VIGILANT INSURANCE COMPANY, a New York corporation, and PACIFIC INDEMNITY COMPANY, a Wisconsin corporation, do each hereby constitute and appoint R.F. Bobo,

Mary Pierson, Philana Berros, and Jody E. Specht of Houston, Texas----

each as their true and lawful Attorney-in-Fact to execute under such designation in their names and to affix their corporate seals to and deliver for and on their behalf as surety thereon or otherwise, bonds and undertakings and other writings obligatory in the nature thereof (other than ball bonds) given or executed in the course of business, and any instruments amending or attering the same, and consents to the modification or alteration of any

In Witness Whereof, said FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY have each executed and attested these presents and affixed their corporate seals on this $10 {
m th}$ day of May, 2001.

STATE OF NEW JERSEY

PUBLIC

County of Somersel

On this 10th day of May, 2001, before me, a Notary Public of New Jersey, personally came Kenneth C. Wendel, to me known to be Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY, the companies which executed the foregoing Power of Atomey, and the said Kenneth C. Wendel being by me duly swom, did depose and say that he is Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY and knows the corporate seals thereof. Secretary or PEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMINITY COMPANY and knows the corporate seals thereof, it is the seals affixed to the foregoing Power of Attorney are such corporate seals and were thereto affixed by authority of the By-Laws of said Companies; and that he signed eatid Power of Attorney as Assistant Secretary of said Companies by like authority; and that he is acquainted with Frank E. Robertson, and knows him to be Robertson and Companies; and that the signature of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. Robertson, subscribed to said Power of Attorney is in the genuine handwriting of Frank E. (6) ES)

Notary Public State of New Jersey

No. 2231647

harenalrice

Commission Expires Octave 2004 ION

Extract from the By-Laws of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY:

"All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the President or a Vice President or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the following officers: Chairman, President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary and the seal of the Company may be affixed by facelimite to any power of attorney or to any certificate relating thereto appointing Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facaimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached."

I, Kenneth C. Wendel, Assistant Secretary of FEDERAL INSURANCE COMPANY, VIGILANT INSURANCE COMPANY, and PACIFIC INDEMNITY COMPANY (the "Companies") do hereby certify that

(f) the foregoing extract of the By-Laws of the Companies is true and correct,

(ii) the Companies are duly iconsed and authorized to transact surely business in all 50 of the United States of America and the District of Columbia and are authorized by the U. S. Tressury Department; further, Federal and Vigilant are licensed in Puerlo Rico and the U. S. Virgin Islands, and Federal is licensed in American Samoa, Guarn, and each of the Provinces of Canada except Prince Edward Island; and

(iii) the foregoing Power of Attorney is true, correct and in full force and effect.

Given under my hand and seals of said Companies at Warren, NJ this 12th day of June, 2001







IN THE EVENT YOU WISH TO NOTIFY US OF A CLAIM, VERIFY THE AUTHENTICITY OF THIS BOND OR NOTIFY US OF ANY OTHER MATTER, PLEASE CONTACT US AT ADDRESS LISTED ABOVE, OR BY Telephone (908) 903-3485 Fax (908) 903-3656 e-mail: surety@chubb.com

CSC

CSC.

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06/01 '01 08:46 NO.410 03/05

06/01 '01 09:06 NO.135 02/04

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CERTIFICATE OF AMENDMENT

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CERTIFICATE OF INCORPORATION

O'F

CSC 45

MOBIL OIL CORPORATION

(Under Section 805 of the Business Corporation Law)

Pursuant to the provisions of Section 805 of the Business Corporation Law, the undersigned President and Secretary, respectively, of Mobil Oil Corporation hereby certify:

FIRST: That the name of the corporation is MOBIL OIL CORPORATION and that said corporation was incorporated under the name of Standard Oil Company of New York.

SECOND: That the Certificate of Incorporation of the corporation was filed by the Department of State, Albany, New York, on the 10th day of August, 1882.

THIRD: That the amendments to the Certificate of Incorporation effected...
by this Certificate are as follows:

- (a) Article 1st of the Certificate of Incorporation, relating to the corporate name, is hereby amended to read as follows:
 - "1st The corporate name of said Company shall be,
 ExxonMobil Oil Corporation",
- (b) Article 7th of the Cartificate of Incorporation, relating to the office of the corporation is hereby smended to read as follows:

The office of the corporation within the State of New York is to be located in the County of Albany. The Company shall have offices at such other places as the Board of Directors may from time to time determine.

CSC

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06/01 '01 08:47 NO.410 04/05

FOURTH: That the amendments to the Certificate of Incorporation were authorized by the Board of Directors followed by the holder of all outstanding shares entitled to vote on amendments to the Certificate of Incorporation by written consent of the sole shareholder dated May 22, 2001.

IN WITNESS WHEREOF, this Certificate has been signed this <u>22nd</u> Day of May, 2001.

F. A. Risch, President

STATE OF TEXAS

COUNTY OF DALLAS

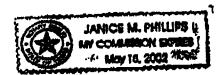
F. L. REID, being duly sworn, deposes and says that he is the Secretary of MOBIL OIL CORPORATION, the corporation mentioned and described in the foregoing instrument; that he has read and signed the same and that the statements contained therein are true.

F. L. REID, Secretary

SUBSCRIBED AND SWORN TO before me, the undersigned authority, on this the 224 day of May, 2001.

[SEAL]

NOTARY PUBLIC, STATE OF TEXAS



CSC CSC

5184334741

06/01 '01 09:01 NO.411 02/02 -**01**0601000187

CSC 45

CERTIFICATE OF AMENDMENT

OF

MOBIL OIL CORPORATION

Under Section 805 of the Business Corporation Law

STATE OF NEW YORK DEPARTMENT OF STATE

Filed by: EXXONMOBIL CORPORATION

(Name)

---;

FILED JUN 0 1 2001

TAX S

5959 Las Colmas Blvd.

(Mailing address)

Irving, TX 75039-2298

(City, State and Zip code)

191 6 5 2001 IN THE STATE ESTATE SERVICES

010601000

,TEL=5184334741

06/01/01 08:19

State of New York }
Department of State }
ss:

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.

Witness my hand and seal of the Department of State on JUN 01 2001



Special Deputy Secretary of State

DOS-1266 (7/00)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH 2. CDW 3. FILE

Change of Operator (Well Sold)

Designation of Agent

X Operator Name Change

Merger

The operator of the well(s) listed below	w has changed, effective:	06-01-2001				
FROM: (Old Operator):		TO: (New (
MOBIL EXPLORATION & PRODUCTION				DDOD + mr		
Address: P O BOX DRAWER "G"		EXXONMO	SIL OIL CO	RPORATIO	DN	
		Address: U S	WESTPO	BOX 4358		
CORTEZ, CO 81321		HOUSTON	EV 77210 4	250		
Phone: 1-(970)-564-5212		HOUSTON, 7 Phone: 1-(713				
Account No. N7370		Account No.				
	CA No.	Unit:		EODD		
WELL(S)	011110	Onit.	RATHER	CFORD		
	SEC TWN	API NO	ENTITY	LEASE	WELL	WELL
NAME	RNG		NO	TYPE	TYPE	STATUS
RATHERFORD U 19W21	19-41S-24E	43-037-15741	6280	INDIAN	WI	A
DSRT A-26 (RATHERFORD 19W23)		43-037-15742		INDIAN	WI	A
RATHERFORD U 19-32		43-037-15743		INDIAN	WI	A
RATHERFORD U 19-34		43-037-15744		INDIAN	WI	A
DESERT A-24 (RATHERFORD 19W41)	19-41S-24E	43-037-15745	99990	INDIAN	WI	A
DESERT A-23 (RATHERFORD 19W43)	19-41S-24E	43-037-16420	99990	INDIAN	WI	A
RATHERFORD U 20-12		43-037-15746		INDIAN	WI	I I
RATHERFORD U 20-14	20-41S-24E	43-037-15747	6280	INDIAN	WI	A
DESERT A-18 (RATHERFORD 20W23)	20-41S-24E	43-037-15748	99990	INDIAN	WI	A
RATHERFORD U 20-32	20-41S-24E	43-037-15749	6280	INDIAN	WI	A
RATHERFORD U 20-34	20-41S-24E	43-037-15750	6280	INDIAN	WI	A
RATHERFORD 20W41 (DESERT A-27)		43-037-15751		INDIAN	WI	A
RATHERFORD 20-67	20-41S-24E	43-037-31590		INDIAN	WI	A
RATHERFORD U 21-14	21-41S-24E	43-037-15753	6280	INDIAN	WI	I
RATHERFORD UNIT 21-67		43-037-31753		INDIAN	WI	A
RATHERFORD UNIT 28-12		43-037-15336		INDIAN	WI	
NAVAJO A-19 (RATHERFORD 28W21)	28-41S-24E	43-037-16431		INDIAN	WI	A
ATHERFORD U 29-12		43-037-15337		INDIAN		A
ATHERFORD U 29-32		43-037-15337		INDIAN		A
RATHERFORD 29W21		43-037-16432		INDIAN		A
JAVAJO B-5 (RATHERFORD 30W41)		43-037-10432				A
JAVAJO B-16 (RATHERFORD 30W21)		43-037-16435		INDIAN		A
	[30-413-24E]	+3-03/-10433	99990	INDIAN	WI	<u> </u>

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/29/2001

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: <u>06/29/2001</u>

3. The new company has been checked through the **Department of Commerce**, **Division of Corporations Database on:** 04/09/2002

4. Is the new operator registered in the State of Utah: YES Business Number: 579865-0143

5.	If NO , the operator was contacted contacted on: N/A
6.	Federal and Indian Lease Wells: The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BIA-06/01/01
7.	Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for wells listed on: 06/01/2001
8.	Federal and Indian Communization Agreements ("CA"): The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9.	Underground Injection Control ("UIC") The Division has approved UIC Form 5, Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: NOTE: EPA ISSUES UIC PERMIT
DA	ATA ENTRY: Changes entered in the Oil and Gas Database on: 04/11/2002
1.	
2.	Changes have been entered on the Monthly Operator Change Spread Sheet on: 04/11/2002
3.	Bond information entered in RBDMS on: N/A
4.	Fee wells attached to bond in RBDMS on: N/A
S7	State well(s) covered by Bond Number: N/A
FI 1.	EDERAL WELL(S) BOND VERIFICATION: Federal well(s) covered by Bond Number: N/A
IN 1.	Indian well(s) covered by Bond Number: 80273197
	EE WELL(S) BOND VERIFICATION: (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number N/A
2.	The FORMER operator has requested a release of liability from their bond on: N/A The Division sent response by letter on: N/A
	EASE INTEREST OWNER NOTIFICATION: (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A
CC	DMMENTS:

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING		
1. DJJ		
2. CDW		

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:	6/1/2006
FROM: (Old Operator):	TO: (New Operator):
N1855-ExxonMobil Oil Corporation	N2700-Resolute Natural Resources Company
PO Box 4358	1675 Broadway, Suite 1950
Houston, TX 77210-4358	Denver, CO 80202
Phone: 1 (281) 654-1936	Phone: 1 (303) 534-4600
CA No.	Unit: RATHERFORD (UIC)
OPERATOR CHANGES DOCUMENTATION Enter date after each listed item is completed 1. (R649-8-10) Sundry or legal documentation was received from the 2. (R649-8-10) Sundry or legal documentation was received from the 3. The new company was checked on the Department of Commerce 4. Is the new operator registered in the State of Utah: 5. If NO, the operator was contacted contacted on: 6a. (R649-9-2)Waste Management Plan has been received on: 6b. Inspections of LA PA state/fee well sites complete on: 6c. Reports current for Production/Disposition & Sundries on: 7. Federal and Indian Lease Wells: The BLM and or the or operator change for all wells listed on Federal or Indian leases 8. Federal and Indian Units: The BLM or BIA has approved the successor of unit operator for the BLM or BIA has approved the operator for all wells listed	e FORMER operator on: 4/21/2006 NEW operator on: 4/24/2006 New operator on: 4/24/2006 New operator on: 6/7/2006 New operator on: 6/7/2006 New operator on: 6/7/2006 New operator on: 6/7/2006 Stable on: 6/7/20
DATA ENTRY:	
 Changes entered in the Oil and Gas Database on: Changes have been entered on the Monthly Operator Change S Bond information entered in RBDMS on: Fee/State wells attached to bond in RBDMS on: Injection Projects to new operator in RBDMS on: 	n/a n/a 6/22/2006
6. Receipt of Acceptance of Drilling Procedures for APD/New on:	n/a
BOND VERIFICATION:	
Federal well(s) covered by Bond Number: Output Description:	n/a PA002769
2. Indian well(s) covered by Bond Number:	
3. (R649-3-1) The NEW operator of any fee well(s) listed covered by	
a. The FORMER operator has requested a release of liability from the Division sent response by letter on:	heir bond on: <u>n/a</u> n/a
LEASE INTEREST OWNER NOTIFICATION: 4. (R649-2-10) The FORMER operator of the fee wells has been confidence of their responsibility to notify all interest owners of this change of	ntacted and informed by a letter from the Division on: n/a
COMMENTS:	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT				
Well Name and Number See attached list		API Number Attached		
Location of Well Footage: See attached list	County : San Juan	Field or Unit Name Ratherford Unit		
QQ, Section, Township, Range:	State: UTAH	Lease Designation and Number See attached list		

EFFECTIVE DATE OF TRANSFER: 6/1/2006

PERATOR	
Exxon Mobil Oil Corporation	Name:
PO Box 4358	Signature:
city Houston state TX zip 77210-4358	Title:
(281) 654-1936	Date:
Exxon Mobil has submitted a separate, signed copy	
	Exxon Mobil Oil Corporation PO Box 4358 city Houston state TX zip 77210-4358 (281) 654-1936

NEW OPERATOR Resolute Natural Resources Company Company: Name: 1675 Broadway, Suite 1950 Address: Signature: city Denver state CO zip 80202 Regulatory Coordinator Title: (303) 534-4600 4/20/2006 Phone: Date: Comments: A list of affected UIC wells is attached. New bond numbers for these wells are: BIA Bond # PA002769 and US EPA Bond # B001252

(This space for State use only)

Transfer approved by:

Approval Date:

Comments:

RECEIVED APR 2 4 2006

STATE OF UTAH

	DEPARTMENT OF NATURAL RESOU	IRCES	TOKING
	DIVISION OF OIL, GAS AND MI	INING	5. LEASE DESIGNATION AND SERIAL NUMBER:
			See attached list
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this face face when the state of			Navajo Tribe 7. UNIT or CA AGREEMENT NAME:
drill horizontal	new wells, significantly deepen existing wells below culaterals. Use APPLICATION FOR PERMIT TO DRILL	rrent bottom-hole depth, reenter plugged wells, or to form for such proposals.	Ratherford Unit
1. TYPE OF WELL OIL WELL		Unit Agreement	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR:			See attached list
Resolute Natural Resource	ces Company N2700		9. API NUMBER: Attached
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
1675 Broadway, Suite 1950 4. LOCATION OF WELL	TY Denver STATE CO ZIE	80202 (303) 534-4600	Greater Aneth
100,000,000	n. Stering	このでの必要にお得るできません。 (20年)	add hazarkiri Almonto ana aki, sa ta
FOOTAGES AT SURFACE: See a	uacheo list		COUNTY: San Juan
QTR/QTR, SECTION, TOWNSHIP, RAI	NGE, MERIDIAN:	10 14 15 TA	STATE:
	2800 A 2000 M 2022 CO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		UTAH
11. CHECK APP	ROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPO	RT. OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	AT, OR OTHER DATA
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
•	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	
Date of work completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	WATER SHUT-OFF
==0	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	OTHER:
12 DESCRIPE PROPOSED OF O			
	OMPLETED OPERATIONS. Clearly show all p		
Pesclute Natural Pascura	xon Mobil Oil Corporation resigns	as operator of the Ratherford Un	it. Also effective June 1, 2006
Nesolute Matural Resourc	ces Company is designated as su	ccessor operator of the Ratherford	d Unit.
A list of affected producing	g and water source wells is attach	ned. A separate of affected injection	on wells is being submitted with
UIC Form 5, Transfer of A	authority to Inject.	The state of an octor injustice	on wone is being submitted with
A- 611 CC 11 1 1 1			
As of the effective date, be	ond coverage for the affected wel	lls will transfer to BIA Bond # PA0	02769.
			45
			2
/_			
NAME (PLEASE PRINT) Dwight E N	Mallogo	Paradata - C - #	
NAME (PLEASE PRINT) DWIGHT E		TITLE Regulatory Coordi	nator
SIGNATURE WITE & /	12	DATE 4/20/2006	
		LAIE	- Carlot
This space for State use only			DEOE
T		1	

APPROVED 6 137 106

Carlene Russell

Division of Oil, Gas and Mining actions on Reverse Side)

England Russell Engineering Tacketolan

RECEIVED APR 2 4 2006

Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON V	VELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ship Rock
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-h drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such p	ole depth, reenter plugged wells, or to proposals. 7. UNIT or CA AGREEMENT NAME: UTU68931A
1. TYPE OF WELL OIL WELL GAS WELL OTHER Injection	8. WELL NAME and NUMBER: Ratherford
2. NAME OF OPERATOR: ExxonMobil Oil Corporation N/855	9. API NUMBER:
3. ADDRESS OF OPERATOR:	PHONE NUMBER: 10. FIELD AND POOL, OR WILDCAT:
P.O. Box 4358 CITY Houston STATE TX ZIP 77210-4	358 (281) 654-1936 Aneth
FOOTAGES AT SURFACE:	county: San Juan
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATU	RE OF NOTICE, REPORT, OR OTHER DATA TYPE OF ACTION
Approximate date work will start: 6/1/2006 CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE TUBING PLUG CHANGE WELL NAME CHANGE WELL STATUS PROD COMMINGLE PRODUCING FORMATIONS RECL	SIDETRACK TO REPAIR WELL CONSTRUCTION TEMPORARILY ABANDON TUBING REPAIR TO THERE TO TH
NAME (PLEASE PRINT) Laurie Kilbride	Permitting Supervisor
SIGNATURE / KULDUM	DATE 4/19/2006
This apace for State use only) APPROVED 6 27 06	

(5/2000)

Carleve Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician
(See Instructions on Reverse Side)

RECEIVED APR 2 1 2006

GREATER ANETH FIELD UIC WELL LIST Ratherford lease, San Juan County, Utah

			T					Surfa	ce Loc	ration	
Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Qtr 1	Qtr 2	_	_		NS Foot	EW Foot
Ney Lease Ivaille	Well ID	AFTNUIII	Otatus	rteg Lease #	GZLI I	Qu Z	Occ		INIO	140 7 001	L111000
RATHERFORD UNIT	11/1/2/	430371583900S1	Shut-in	14-20-603-246A	NE	SE	1	415	23F	0651FSL	3300FEL
RATHERFORD UNIT		430371638600S1	Active	14-20-603-246A	SE	SE	2	418			0510FEL
RATHERFORD UNIT		430371584100S1	Active	14-20-603-246A	SE	NE	11	418		3290FSL	4617FWL
RATHERFORD UNIT		430371584200S1	Shut-in	14-20-603-246A	SE	SE	11	418	23E	0660FSL	0558FEL
RATHERFORD UNIT		430371584300S1	Active	14-20-603-246A	NW	NW	12		23E	0678FNL	4620FEL
			Active	14-20-603-246A	NW	SW	12	418		1980FSL	4620FEL
RATHERFORD UNIT	12W13 12W22	430371640400S1 430371584501S1	Active	14-20-603-246A	SE	NW	12	415		1920FNL	2080FWL
RATHERFORD UNIT		43037311510181	Active	14-20-603-246A	SE	SW	12	418		0775FSL	1980FWL
RATHERFORD UNIT			Active	14-20-603-246A	NW	NE	12	418		0661FNL	1981FEL
	12W31	430371584700S1 430371584800S1	Active	14-20-603-246A	NW	SE	12		23E	1958FSL	3300FEL
RATHERFORD UNIT					SE	NE	12	418		3275FSL	0662FEL
RATHERFORD UNIT	12W42	430371585000S1	Active	14-20-603-246A 14-20-603-246A	SE	SE	12	415	23E	0772FSL	0807FEL
RATHERFORD UNIT	12W44A	430373154300S1	Shut-in	14-20-003-240A	ISE.	SL.	12	410	232	OTTZI SL	DOOT! LL
DATUEDEODD UNIT	40)4/44	40007044500404	A -40	44.00.000.0474	NISA/	NIVA/	12	440	225	OFOOTNI	0660FWL
RATHERFORD UNIT		430373115201S1	Active	14-20-603-247A	NW	NW	13	415		0500FNL	
RATHERFORD UNIT	13W13	430371585100S1	Active	14-20-603-247A	NW	SW	13	418	23E	1980FSL	4620FEL
RATHERFORD UNIT		430371585200S1	Active	14-20-603-247A	SE	NW	13	418			3300FEL
RATHERFORD UNIT		430371585300S1	Active	14-20-603-247A	SE	SW	13	415	4.00	0660FSL	3300FEL
RATHERFORD UNIT		430371585501S1	Active	14-20-603-247A	NW	SE	13		23E	1970FSL	1979FEL
RATHERFORD UNIT		430371585700S1	Shut-in	14-20-603-247A	SE	NE	13	418		2139FNL	0585FEL
RATHERFORD UNIT	13W44	430371640700S1	Active	14-20-603-247A	SE	SE	13	415	23E	0653FSL	0659FEL
RATHERFORD UNIT	14-31	430373171700S1	Active	14-20-603-247A	NW	NE	14		23E	0754FNL	1604FEL
RATHERFORD UNIT	14W42	430371586001S1	Active	14-20-603-247A	SE	NE	14	41S			653FEL
	24W31	430371586200S1	Shut-in	14-20-603-247A	NW	NE	24		24E	0560FNL	1830FEL
RATHERFORD UNIT	24W42	430371586300S1	Shut-in	14-20-603-247A	SE	NE	24	41S	24E	1980FNL	0660FEL
RATHERFORD UNIT		430371572601S1	Active	14-20-603-353	sw	NW	17	41S		1980FNL	510FWL
RATHERFORD UNIT	17W14	430371572700S1	Active	14-20-603-353	sw	SW	17	41S		0610FSL	0510FWL
RATHERFORD UNIT	17W21	430371641601S1	Active	14-20-603-353	NE	NW	17	418		0510FNL	1830FWL
RATHERFORD UNIT		430371572801S1	Active	14-20-603-353	NE	SW	17	418		1880FSL	1980FWL
RATHERFORD UNIT	17W32	430371572900S1	TA'd	14-20-603-353	SW	NE	17	41S	24E	1830FNL	2030FEL
RATHERFORD UNIT	17W34	430371573000S1	Active	14-20-603-353	SW	SE	17		24E	0560FSL	1880FEL
RATHERFORD UNIT	17W41	430371573100S1	Shut-in	14-20-603-353	NE	NE	17	41S	24E	0610FNL	0510FEL
RATHERFORD UNIT	17W43	430371641701S1	Active	14-20-603-353	NE	SE	17	41S	24E	1980FSL	0660FEL
RATHERFORD UNIT	18-43B	430373171801S1	Active	14-20-603-353	NE	SE	18	41S	24E	2023FSL	0651FEL
RATHERFORD UNIT	18W12	430373115301S1	Active	14-20-603-353	sw	NW	18	41S	24E	1980FNL	560FWL
RATHERFORD UNIT	18W14	430371573501S1	Active	14-20-603-353	SW	SW	18	41S	24E	0810FSL	0600FWL
RATHERFORD UNIT	18W21	430371641801S1	Active	14-20-603-353	NE	NW	18	41S	24E	660FNL	1882FWL
RATHERFORD UNIT	18W23	430373024400S1	Shut-in	14-20-603-353	NE	SW	18	418	24E	2385FSL	2040FWL
RATHERFORD UNIT		430371573601S1	Active	14-20-603-353		NE					1830FEL
RATHERFORD UNIT		430371573701S1	Active	14-20-603-353	sw	SE	18			780FSL	1860FEL
RATHERFORD UNIT		430371573800S1	TA'd	14-20-603-353	NE	NE	18				0660FEL
RATHERFORD UNIT		430371573901S1	Active	14-20-603-353	sw	NW	19				0600FWL
RATHERFORD UNIT		430371574301S1	Active	14-20-603-353	sw	NE	19				2802FEL
RATHERFORD UNIT		430371574401S1	Active	14-20-603-353	SW	SE	19				1980FEL
RATHERFORD UNIT		430371574100S1	Shut-in	14-20-603-353	NE.	NW	19			0660FNL	1860FWL
RATHERFORD UNIT		430371574200S1	Shut-in	14-20-603-353	NE	sw	19			2080FSL	1860FWL
RATHERFORD UNIT		430371642000S1	Shut-in	14-20-603-353	NE	SE	19			1980FSL	0760FEL
RATHERFORD UNIT		430371574601S1	Active	14-20-603-353	sw	NW	20				0748FEL
RATHERFORD UNIT		430371574701S1	Active	14-20-603-353	sw	sw	20			0660FSL	0660FWL
RATHERFORD UNIT		430371574701S1	Active	14-20-603-353	sw	NE	20			0037FNL	0035FWL
RATHERFORD UNIT		430371575001S1	Active	14-20-603-353	sw	SE	20			0774FNL	0617FWL
- I STATE OF THE S		430373159000S1	Active	14-20-603-353	NE	SW	20			2629FSL	1412FWL
RATHERFORD UNIT			-		NE	NW	20			0660FNL	1880FWL
RATHERFORD UNIT		430371642300S1	Active	14-20-603-353	NW	SW	20			2080FSL	2120FWL
RATHERFORD UNIT		430371574800S1	Active	14-20-603-353	_		20				0660FEL
RATHERFORD UNIT		430371575100S1	Active	14-20-603-353	NE	NE				2070FSL	0810FEL
RATHERFORD UNIT	20W43	430371642400S1	TA'd	14-20-603-353	NE	SE	20	1410	Z4C	ZUIUFSL	JOIN EL
10000	100000	100071550550	A -4:	144 00 000 055	CVA/	NDA/	10	140	DAE	1000ENII	0660FWL
RATHERFORD UNIT	[16W12	430371572000S1	Active	14-20-603-355	SW	NW	16	1415	24E	1880FNL	DOOOLAAF

GREATER ANETH FIELD UIC WELL LISTRatherford lease, San Juan County, Utah

				- Iulo	Surface Location						
Reg Lease Name	Well ID	API Num	Status	Reg Lease #	Qtr 1	Qtr 2	Sec	TN	RNG	NS Foot	EW Foot
RATHERFORD UNIT	16W14	430371572100S1	Shut-in	14-20-603-355	sw	sw	16	41S		0660FSL	0660FWL
RATHERFORD UNIT	16W21	430371641400S1	Active	14-20-603-355	NE	NW	16	41S		0660FNL	1880FWL
RATHERFORD UNIT	16W23	430371572201S1	Active	14-20-603-355	NE	SW	16	41S	24E	1980FSL	1980FWL
RATHERFORD UNIT	16W43	430371641501S1	Active	14-20-603-355	NE	SE	16	41S	24E	2140FSL	0820FEL
RATHERFORD UNIT	21-14	430371575301S1	Active	14-20-603-355	sw	SW	21	41S	24E	0660FSL	0460FWL
RATHERFORD UNIT	21-67	430373175301S1	Active	14-20-603-355	NE	sw	21	41S	24E	2560FSL	1325FWL
RATHERFORD UNIT		430371642501S1	Active	14-20-603-355	NE	NW	21	41S	24E	0660FNL	2030FWL
RATHERFORD UNIT	6W14	430371598400S1	Active	14-20-603-368	NE	SE	6	41S	_	0660FSL	0660FWL
RATHERFORD UNIT	7W12	430371598500S1	Active	14-20-603-368	NE	SE	7	41S		2140FNL	0585FWL
RATHERFORD UNIT	7W14	430371598600S1	Active	14-20-603-368	NE	SE	7	41S	24E	1065FSL	0660FWL
RATHERFORD UNIT	7W21	430371639400S1	Active	14-20-603-368	NE	NW	7	418		0710FNL	1820FWL
RATHERFORD UNIT	7W34	430371598900S1	Active	14-20-603-368	SW	SE	7			0710FSL	2003FEL
RATHERFORD UNIT	7W43	430371639500S1	Active	14-20-603-368	NE	SE	7		24E	2110FSL	0660FEL
RATHERFORD UNIT	8W14	430371599200S1	Active	14-20-603-368	SW	NE	8	418	24E	0745FSL	0575FWL
							10	110	0.45	1000501	OCCOCE!
RATHERFORD UNIT	10W43	430371640300S1	TA'd	14-20-603-4037	NE	SE	10	418	24E	1980FSL	0550FEL
DATUEDEODD UNIT	00.40	430371533701S1	Active	14-20-603-407	sw	NW	29	41S	24F	2870FNL	1422FWL
RATHERFORD UNIT		43037153370151	Active	14-20-603-407	sw	NE	29	41S		0694FNL	0685FWL
RATHERFORD UNIT	29-32	43037164320081	Active	14-20-603-407	NE	NW	29	-		0667FNL	2122FWL
RATHERFORD UNIT	29W21	43037164320051	Active	14-20-603-407	NE	NE	29	418		0557FNL	0591FEL
RATHERFORD UNIT		430371643300S1	Shut-in	14-20-603-407	NE	SE	29	418	24E	1980FSL	0660FEL
RATHERFORD UNIT			Shut-in	14-20-603-407	NE	NE	30	418	24E	0660FNL	0660FEL
RATHERFORD UNIT	30W41	430371534300S1	Jonus-III	14-20-003-407	INC	111	30	7.10		55001 IVE	55001 EE
RATHERFORD UNIT	28-12	430371533601S1	Active	14-20-603-409	sw	SE	28	418	24E	2121FNL	0623FWL
RATHERFORD UNIT	28W21	430371643100S1	Shut-in	14-20-603-409	NE	NW	28	41S	24E	0660FNL	2022FWL
TO THE TOTAL ONLY		1	-								
RATHERFORD UNIT	9W23	430371639800S1	Active	14-20-603-5046	NW	SE	9	41S	24E	1980FSL	1980FWL

Sundry Number: 37881 API Well Number: 43037157410000 FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

	FORM 9						
ı	5.LEASE DESIGNATION AND SERIAL NUMBER: 14-20-603-353						
SUNDR	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NAVAJO						
Do not use this form for pro current bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: RATHERFORD						
1. TYPE OF WELL Water Injection Well			8. WELL NAME and NUMBER: RATHERFORD U 19W21				
2. NAME OF OPERATOR: RESOLUTE NATURAL RESOU	9. API NUMBER: 43037157410000						
3. ADDRESS OF OPERATOR: 1675 Boradway Ste 1950,	Denver, CO, 80202 30	PHONE NUMBER: 03 534-4600 Ext	9. FIELD and POOL or WILDCAT: GREATER ANETH				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0660 FNL 1860 FWL			COUNTY: SAN JUAN				
QTR/QTR, SECTION, TOWNSH Qtr/Qtr: NENW Section:	HIP, RANGE, MERIDIAN: 19 Township: 41.0S Range: 24.0E Merio	dian: S	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPOR	RT, OR OTHER DATA				
TYPE OF SUBMISSION		TYPE OF ACTION					
,	ACIDIZE	ALTER CASING	CASING REPAIR				
Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME				
5/31/2013	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE				
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION				
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK				
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION				
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION		TEMPORARY ABANDON				
Date of opid.		SIDETRACK TO REPAIR WELL					
	L TUBING REPAIR		☐ WATER DISPOSAL ☐				
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION				
	WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: UIC repair enhance prod				
	COMPLETED OPERATIONS. Clearly show a		lepths, volumes, etc.				
1	s to workover the Ratherford		Accepted by the				
	re will be cleaned out and sti		Utah Division of Oil, Gas and Mining				
production in the	chment is the current	SUCCESSARIA PROSECULAR CONTROL C					
	wellbore schematic.		Date: May 21, 2013				
			By: Der K Dunt				
NAME (PLEASE PRINT)	PHONE NUMB	ER TITLE					
Sherry Glass	303 573-4886	Sr Regulatory Technician					
SIGNATURE N/A		DATE 5/15/2013					

Sundry Number: 37881 API Well Number: 43037157410000 RESOLUTE **SCHEMATIC** NATURAL RESOURCES Well Name: Ratherford U 1921 API Number Surface Legal Location Section Township Range Well Spud Date/Time Field Name State/Province W2 NE NW 43037157410000 19 41S 24E 10/22/1958 Ratherford Utah Original KB Elevation (ft) KB-Ground Distance (ft) Total Depth (ftKB) PBTD (All) (ftKB) 4,728.00 13.00 5,666.0 Wellbore Config: Vertical - <no holes>, 5/15/2013 9:01:08 AM ftKB (MD) Frm Final Schematic - Actual 10/22/1958, Conductor Cement, Cmtd with 175 sx cmt, Circ. to surface, 0-176 1 Conductor (27.10#-H-40), 13 3/8, 176 10 10/22/1958, Surface Casing Cement, 33 Cmtd with 455sx CL B. Circ & filled 42 annulus w/35 sx CL B neat. Cmt to 49 surface, 0-1,446 174 Surface (24#-J55), 8 5/8, 1,446 176 11/25/1991, Production Casing Cement, 1.444 pump 67 bbls Cl G - thru sgz'd holes, 1,446 1.600-1.601 1,600 11/25/1991, Perforated, 1,600-1,601, Zone: Perf Status: Inactive-Squeezed, 11/25/1991 00:00 Tubing - Injection, 5,391, 3/16/2012 1,601 11/25/1991, Liner Cement, DV tool at 3,018 3018' - pump 100 sx 35/65 POZ, 3,020 4,790 5,324 5,382 5.384 5,389 5,390 5,391 5,397 5,399 5,404 5,405 5,406 5,416 9/28/1960, Perforated, 5,416-5,422, Zone: Perf Status: Inactive-Squeezed, 6/11/1964 00:00 5,422 5,424 5,425 9/28/1960, Perforated, 5,425-5,430, Zone: | Perf Status: Inactive-Squeezed, 6/11/1964 00:00 |
| 1/8/1981, Perforated, 5,460-5,472, Zone: Perf Status: Inactive-Squeezed, 1/125/1991 00:00 |
| 11/25/1991, Perforated, 5,460-5,472, Zone: 12/9/1958, Perforated, 5,460-5,480, Zone: 14/9/1958, Perforated, 5,460-5,480, Zone: 14/9/19 5,426 5,429 5,430 Perf Status: Inactive-Squeezed, 11/25/1991 00:00 6/11/1964, Perforated, 5,460-5,487, Zone: 5,460 Perf Status: Inactive-Squeezed, 1/8/1981 00:00 1/8/1981, Perforated, 5,476-5,480, Zone: 5,472 Perf Status: Inactive-Squeezed, 11/25/1991 00:00 11/25/1991, Perforated, 5,476-5,480, Zone: 5,476 5,480 5,484 11/25/1991, Perforated, 5,484-5,488, Zone: 1/8/1981, Perforated, 5,484-5,488, Zone: 5,486 Perf Status: Inactive-Squeezed, 11/25/1991 00:00 5,487 5.488 1/8/1981, Perforated, 5,490-5,502, Zone | 17/8/1981, Periorated, 5,490-5,502, Zone: | Perf Status: Inactive-Squeezed, 11/25/1991 00:00 | 11/25/1991, Perforated, 5,490-5,502, Zone: | 12/9/1958, Perforated, 5,486-5,514, Zone: 5,490 5,491 Perf Status: Inactive-Squeezed, 11/25/1991 00:00
6/11/1964, Perforated, 5,491-5,514, Zone: 5,502 Perf Status: Inactive-Squeezed, 1/8/1981 00:00
1/8/1981, Perforated, 5,505-5,507, Zone: 5,505 Perf Status: Inactive-Squeezed, 11/25/1991 00:00 5,507 11/25/1991, Perforated, 5,505-5,512, Zone: 1/8/1981, Perforated, 5,509-5,512, Zone: 5,509 Perf Status: Inactive-Squeezed, 11/25/1991 00:00 5.512 5,514 11/25/1991. Liner Cement. Cmtd w/75 5,528 sx 35/65 POZ +30 sx Cl G, 3,018-5,529 5,529 Liner, 4, 5,529 3/4/1965, Perforated, 5,582-5,594, Zone 3/4/1965, Perforated, 5,582-5,594, Zone: Perf Status: Inactive-Squeezed, 1/8/1991 00:00 12/9/1959, Perforated, 5,583-5,595, Zone: Perf Status: inactive-Squeezed, 1/12/5/1991 00:00 6/11/1964, Perforated, 5,583-5,595, Zone: Perf Status: Inactive-Squeezed, 1/12/5/1991 00:00 03/4/1965, Perforated, 5,5601-5,608, Zone: Perf Status: Inactive-Squeezed, 1/8/1981 00:00 6/11/1964, Perforated, 5,5601-5,612, Zone: Perf Status: Inactive-Squeezed, 1/8/1981 00:00 12/9/1958, Perforated, 5,5601-5,612, Zone: Perf Status: Inactive-Squeezed, 1/12/5/1991 00:00 5,536 5,582 1/8/1981, Production Casing Cement, 5,583 CO fill to 5620' - set pkr at 5412', sqz'd 5,594 5460-5620 (OA) w/100sx CI B cmt -5,595 reset pkr at 5162' re-sqz'd w/35 sx CI B 5,601 cmt - tag cmt at 5374' & DO to new 5,608 PBTD at 5536, 5,536-5,629 12/9/1959. Perforated. 5.616-5.620. Zone: 5,612 10/22/1958, Production Casing Cement, Perf Status: Inactive-Squeezed, 11/25/1991 00:00 6/11/1964, Perforated, 5,616-5,620, Zone: 5,616 DO/CO to PBTD at 5632', 5,632-5,666 Perf Status: Inactive-Squeezed, 1/8/1981 00:00 5,620 10/22/1958, Production Casing Cement, 5,629 Cmtd w/132 sx (550 cu ft?) CL B. Calc

TOC at 4790', 4,790-5,666

5,666 Page 1/1

Production LT & C (15.5# & 14#), 5 1/2,

5,632 5,664

5,666

Report Printed: 5/15/2013